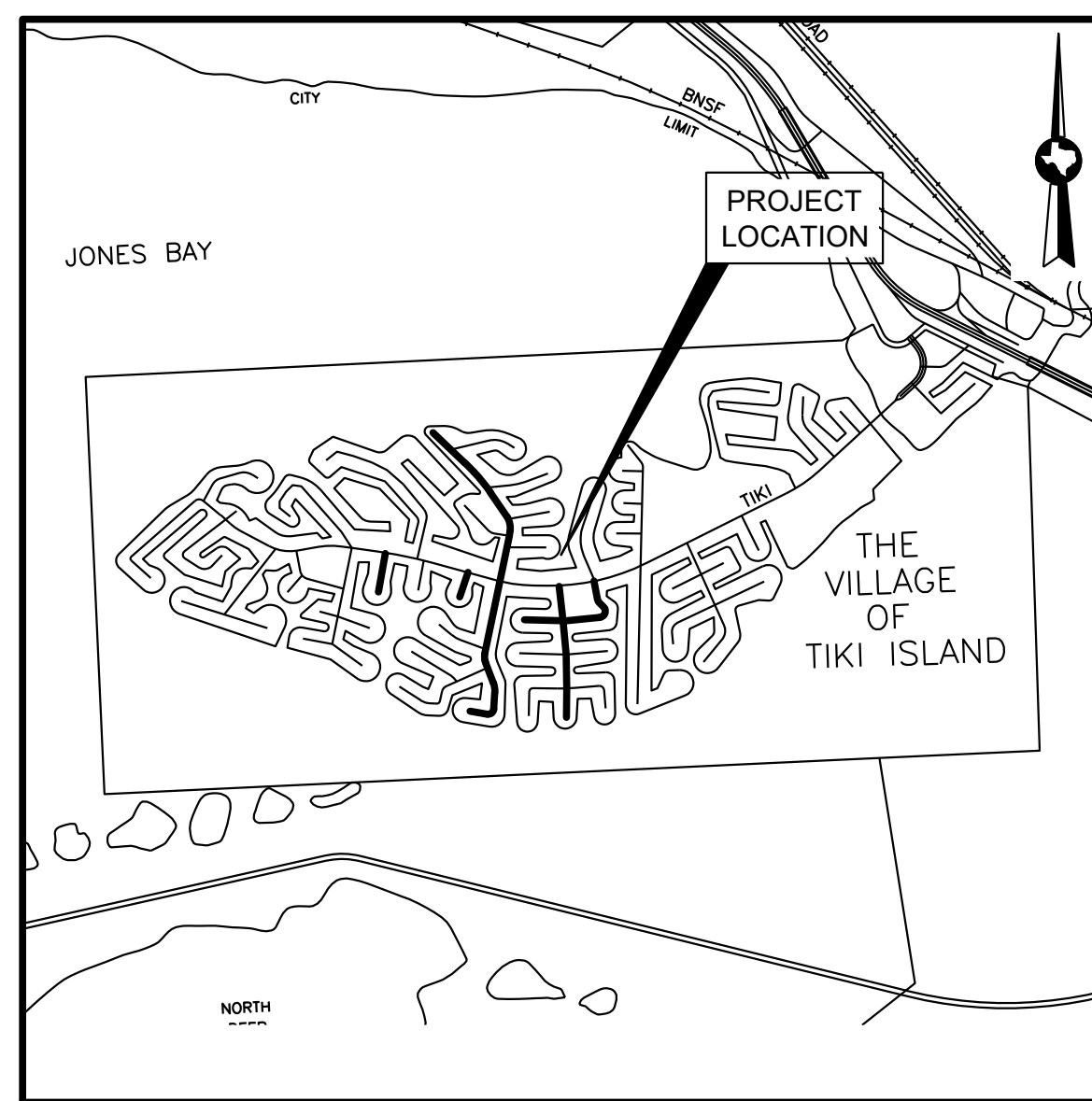


# TIKI ISLAND VARIOUS STREET IMPROVEMENTS

## GALVESTON COUNTY, TX

REPLACEMENT OF ASPHALT STREET WITH CONCRETE PAVEMENT  
 PARADISE DR. FROM TIKI DR. TO END (BASE BID)  
 HAWAII DR FROM TIKI DR TO CUL-DE-SAC (BASE BID)  
 TAMANA DR FROM TIKI DR TO CUL-DE-SAC (BASE BID)  
 LANAI DR FROM HAWAII DR TO CUL-DE-SAC (ALTERNATE 1 BID)  
 SAMPAN DR FROM TIKI DR TO CUL-DE-SAC (ALTERNATE 2 BID)  
 KAH ME HA DR FROM TIKI DR TO CUL-DE-SAC (ALTERNATE 3 BID)



VICINITY MAP

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OFFICIALS

MARK HENRY \_\_\_\_\_ COUNTY JUDGE  
 DARRELL APFFEL \_\_\_\_\_ COMMISSIONER PRECINCT NO.1  
 JOE GIUSTI \_\_\_\_\_ COMMISSIONER PRECINCT NO.2  
 STEPHEN HOLMES \_\_\_\_\_ COMMISSIONER PRECINCT NO.3  
 KENNETH CLARK \_\_\_\_\_ COMMISSIONER PRECINCT NO.4  
 MICHAEL SHANNON, PE \_\_\_\_\_ COUNTY ENGINEER

SEPTEMBER 2020



48 HOURS NOTICE: CONTRACTORS SHALL NOTIFY GALVESTON COUNTY PRIOR TO COMMENCING CONSTRUCTION AND/ OR BACKFILLING ANY UTILITIES. CONTRACTORS TO CONTACT ENGINEERING & RIGHT OF WAY AT (409) 770-5552

APPROVED BY

MICHAEL SHANNON, P.E. \_\_\_\_\_ DATE  
 COUNTY ENGINEER

**GENERAL CONSTRUCTION NOTES**

1. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION SCHEDULE WITH THE ENGINEER PRIOR TO COMMENCING WORK.
2. CONTRACTOR SHALL CONTACT ALL GOVERNING AGENCIES A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION AND COORDINATE ALL WORK WITH THE SAME.
3. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE COMMENCING ANY WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
4. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND ARE TO BE VERIFIED BY THE CONTRACTOR. CHANGES IN HORIZONTAL OR VERTICAL ALIGNMENT ARE TO BE APPROVED BY THE ENGINEER.
5. THE DRAWINGS SHOW AS MUCH INFORMATION AS CAN BE REASONABLY OBTAINED FROM AN ON THE GROUND OBSERVATION, SURVEY AND EXISTING CONSTRUCTION DRAWINGS REGARDING THE TOPOGRAPHIC FEATURES, ELEVATIONS AS WELL AS THE LOCATION AND NATURE OF PIPELINES, NATURAL GAS LINES, UNDERGROUND CABLES, UTILITIES, ETC. HOWEVER, THE ACCURACY OF OR COMPLETENESS OF SUCH INFORMATION IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION TO PRECLUDE DAMAGE TO EXISTING UTILITIES. IN THE EVENT THAT UNDERGROUND UTILITIES NOT SHOWN ON THE DRAWINGS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
6. SOME OF THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON HAVE NOT BEEN FIELD VERIFIED.
7. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXCESS MATERIAL WHETHER OR NOT SHOWN ON PLANS AT NO ADDITIONAL COST TO OWNER.
8. ALL EXISTING POWER POLES, LIGHT STANDARDS, SIGNS, ETC. WHICH AFFECT THE PROPOSED CONSTRUCTION, SHALL BE REMOVED AND/OR RELOCATED AS REQUIRED WHETHER SHOWN ON DRAWINGS OR NOT AT NO ADDITIONAL COST TO THE OWNER.
9. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL ADHERE TO THE STANDARDS OF THE GOVERNING AUTHORITY.
10. INGRESS AND EGRESS SHALL BE PROVIDED AT ALL TIMES FOR THE PROPERTY OWNERS AND BUSINESSES OF THE ABUTTING PROPERTY AND THE CROSS STREETS WHICH ARE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
11. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAINTAINING A SAFE PROJECT SITE 24 HOURS A DAY.
12. DURING THE ENTIRE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL MAINTAIN CONSTRUCTION WARNING SIGNS AT EACH END OF THE PROJECT TO WARN MOTORING AND PEDESTRIAN TRAFFIC THAT CONSTRUCTION IS IN PROGRESS AND OF POSSIBLE HAZARDOUS CONDITIONS GENERATED BY THE CONSTRUCTION.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELINEATING THE PERIMETER OF CONSTRUCTION AREA WITH SAFETY "SNOW" FENCING AT NO ADDITIONAL COST. SAFETY FENCING SHALL BE ERECTED PRIOR TO CONSTRUCTION AND REMOVED UPON COMPLETION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING TRAFFIC IN THE IMMEDIATE VICINITY OF CONSTRUCTION. ALL WORK SHALL BE IN SUCH A MANNER AND SEQUENCE AS TO PROVIDE MAXIMUM PROTECTION TO TRAFFIC AND PEDESTRIANS. CONTROLS SHALL BE CONSISTENT WITH THE TYPE OF WORK BEING PERFORMED.
15. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (TEXAS M.U.T.C.D. MOST RECENT EDITION WITH REVISIONS) DURING CONSTRUCTION.
16. DELINEATORS SHALL BE INSTALLED ALONG THE PAVEMENT EDGE TO WARN TRAFFIC OF ANY ROADSIDE OBJECTS OR HAZARDS AND TO DELINEATE THE ROADWAY EDGE DURING HOURS OF DARKNESS.
17. THE WORK AREA SHALL BE BARRICADED AND ILLUMINATED DURING DARKNESS AND PERIODS OF INACTIVITY, WHEN IN AN AREA OF DIRECT PUBLIC ACCESS.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REQUIRED SECURITY TO PROTECT HIS OWN PROPERTY, EQUIPMENT, AND WORK IN PROGRESS.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ADEQUATE DRAINAGE BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE GOVERNING AUTHORITY.
20. CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION OF ANY TEMPORARY DITCH OR DRAINAGE FACILITIES REQUIRED TO MAINTAIN ADEQUATE SITE DRAINAGE DURING CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.
21. THE CONTRACTOR IS TO INSTALL GROUND WATER CONTROL FACILITIES IF NEEDED, AT NO ADDITIONAL COST TO OWNER.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS REQUIRED BY ALL GOVERNING AGENCIES.
23. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETION AND SUBMISSION OF ALL APPLICABLE STATE AND FEDERAL FORMS REQUIRED FOR STORM WATER POLLUTION PREVENTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION, IMPLEMENTATION, MAINTENANCE, AND INSPECTION OF STORM WATER POLLUTION PREVENTION CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, EROSION AND SEDIMENT CONTROLS, STORM WATER MANAGEMENT PLANS, WASTE COLLECTION AND DISPOSAL, OFF-SITE VEHICLE TRACKING, AND OTHER PRACTICES.
24. THE CONTRACTOR MUST CLEAN MUD, DIRT OR DEBRIS TRACKED ONTO EXISTING STREETS BY HIMSELF OR SUBCONTRACTOR'S VEHICLES AND EQUIPMENT IN A TIMELY MANNER.
25. CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY, UPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING WORK.
26. ALL AREAS DISTURBED BY CONSTRUCTION WHICH ARE NOT TO BE REPAVED OR OTHERWISE COVERED SHALL BE SOLID SODDED WITH ST. AUGUSTINE GRASS.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL WASTE MATERIAL GENERATED DURING CONSTRUCTION. WASTE MATERIAL MUST BE REMOVED FROM THE WORK SITE AND DISPOSED OF IN SUCH A MANNER AS TO NOT DAMAGE THE OWNER OR OTHER PERSONS AT NO ADDITIONAL COST.

**UTILITY CONSTRUCTION NOTES**

1. WHETHER SHOWN ON DRAWINGS OR NOT THE CONTRACTOR SHALL PROVIDE ALL PIPING, APPURTENANCES, AND MISCELLANEOUS FITTINGS REQUIRED TO ACCOMPLISH THE DESIGN AS DRAWN AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL CONTACT ENGINEER IF UNSURE OF PIPING LAYOUT, SIZES OR LENGTHS.
2. CONTRACTOR SHALL UNCOVER EXISTING UTILITIES AT ALL "POINTS OF CROSSING" TO DETERMINE IF CONFLICT EXISTS BEFORE COMMENCING ANY CONSTRUCTION. NOTIFY THE ENGINEER AT ONCE OF ANY CONFLICT.
3. IN THE EVENT OF DAMAGE TO UNDERGROUND UTILITIES OR FACILITIES, WHETHER SHOWN OR NOT ON THE DRAWINGS, THE CONTRACTOR SHALL MAKE THE NECESSARY REPAIRS TO REPLACE THE UTILITY OR FACILITY BACK IN SERVICE AT NO INCREASE IN THE CONTRACT PRICE. ALL SUCH REPAIRS SHALL CONFORM TO THE REQUIREMENTS OF THE COMPANY OR AGENCY SERVICING THE FACILITY.
4. UNOCCUPIED TRENCHES SHALL BE SECURED WITH SAFETY FENCING OR OTHER APPROPRIATE MEANS AT ALL TIMES. TRENCHES WHICH ARE NOT IMMEDIATELY BACKFILLED SHALL BE SECURELY COVERED OVERNIGHT AND BE SURROUNDED BY SAFETY FENCING.
5. THE CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS AND STATE OF TEXAS LAW CONCERNING EXCAVATION, TRENCHING AND SHORING. THE CONTRACTOR SHALL DESIGN AND HAVE AVAILABLE A TRENCH SAFETY PLAN FOLLOWING OSHA, STATE AND LOCAL REQUIREMENTS.
6. CONTRACTOR SHALL PROVIDE SHEETING, SHORING AND BRACING AS NECESSARY TO PROTECT WORKMEN AND EXISTING UTILITIES DURING ALL PHASES OF CONSTRUCTION.
7. CEMENT-SAND BACKFILL SHALL CONSIST OF NOT LESS THAN 1-1/2 SACKS OF CEMENT PER TON WITH SUFFICIENT WATER TO HYDRATE THE CEMENT. THE MATERIAL SHALL BE PLACED IN LAYERS EIGHT (8) INCHES THICK MAXIMUM AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
8. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL PROPOSED UTILITIES EXITING BUILDING PRIOR TO COMMENCING WORK ON SITE UTILITIES. UPON ANY DISCREPANCIES, ENGINEER IS TO BE NOTIFIED.
9. ALL STRUCTURES AND SEWER PIPE UNDER OR WITHIN TWO (2) FEET OF PROPOSED OR FUTURE PAVEMENT SHALL BE BEDDED AND BACKFILLED WITH CEMENT STABILIZED SAND UP TO THE BOTTOM OF THE PAVEMENT SUBGRADE.

**PAVING CONSTRUCTION NOTES**

1. IN ORDER TO COMPLY WITH HANDICAP REGULATIONS, THE CONTRACTOR SHALL ENSURE THAT THE SLOPE OF THE SIDEWALK AND / OR PAVING IN THE FIRST FIVE FEET OUTSIDE ANY DOOR DOES NOT EXCEED 2% IN ANY DIRECTION.
2. WHERE PAVEMENT OR CURB IS BEING REMOVED AND REPLACED FULL DEPTH SAW CUT SHALL BE PERFORMED AT STREET CONNECTION.
3. CONCRETE PAVEMENT SHALL HAVE MINIMUM OF FIVE AND ONE-HALF SACKS OF CEMENT PER CUBIC YARD AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED ON PAVING LAYOUT OR DETAIL SHEETS.
4. ALL STEEL REINFORCEMENT SHALL CONFORM TO ASTM A615 GRADE 60.
5. DETAILING AND FABRICATION OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI-318 LATEST EDITION.
6. LAP ALL CONTINUOUS REINFORCING STEEL 36 DIAMETERS AT SPLICES, TEES, AND CORNERS UNLESS NOTED OTHERWISE ON PLANS.
7. WHERE CONCRETE CURB OR SIDEWALK IS INDICATED, ELEVATION SHALL BE 6 INCHES ABOVE TOP OF PAVEMENT ELEVATION SHOWN, UNLESS OTHERWISE SHOWN ON DRAWINGS.
8. A FIBERBOARD EXPANSION JOINT SHALL BE PLACED BETWEEN THE BUILDING FOUNDATION AND THE CONCRETE PAVEMENT.

**SITE GRADING CONSTRUCTION NOTES**

1. FINISH GRADE ELEVATIONS INDICATE FINAL GRADE OF PROPOSED MATERIAL (I.E. SOD, DIRT, MULCH, ETC.) LANDSCAPED AREAS ADJACENT TO BUILDING, INCLUDING, DIRT, MULCH, AND/OR BEDDING MATERIALS SHALL NOT COVER WEEPHOLES, AREAS ADJACENT TO BUILDING, LANDSCAPED, OR OTHERWISE SHALL SHEET FLOW AWAY FROM BUILDING WITH NO AREAS OF STANDING WATER ADJACENT TO BUILDING.
2. GRADING AROUND BUILDINGS INCLUDING WALKWAYS SHALL BE COORDINATED WITH ENGINEER AND FINAL APPROVAL OF GRADES IN GRASS AREAS AND SWALES SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION OF LANDSCAPING MATERIALS.
3. AFTER INSTALLATION OF DRAINAGE SYSTEM, CONTRACTOR SHALL PERFORM FINAL GRADING AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY ENGINEER OR OWNER TO INSURE POSITIVE DRAINAGE OF ENTIRE SITE. FINAL GRADING SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION OF GRASS.
4. PLACE BACKFILL AS PROMPTLY AND AS PRACTICABLE AFTER COMPLETION OF EACH STRUCTURE OR PORTION OF A STRUCTURE. DO NOT PLACE BACKFILL AGAINST CONCRETE WALLS OR SIMILAR STRUCTURES UNTIL CONCRETE HAS CURED AT LEAST SEVEN (7) DAYS.
5. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXCESS MATERIAL WHETHER OR NOT SHOWN ON PLANS AT NO ADDITIONAL COST TO OWNER.

**PRIVATE UTILITY NOTES**

1. ELECTRIC METER AND SERVICE LINE INSTALLATION TO BE COORDINATED WITH ELECTRICAL PROVIDER BY THE CONTRACTOR.
2. GAS METER AND SERVICE LINE INSTALLATION TO BE COORDINATED WITH GAS COMPANY BY THE CONTRACTOR.

**CENTERPOINT ENERGY NOTES**

CAUTION: UNDERGROUND GAS FACILITIES LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTRASTATE PIPELINE, LLC. WHERE APPLICABLE) ARE SHOWN IN AN APPROXIMATE LOCATION ONLY. SERVICE LINES ARE USUALLY NOT SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT 1-800-545-6005 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- WHEN CENTERPOINT ENERGY GAS PIPELINE MARKINGS ARE NOT VISIBLE, CALL (713) 945-8036 OR (713) 945-8037 (7:00 A.M. TO 4:30 P.M.) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.
- WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF CENTERPOINT ENERGY GAS FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
- WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.
- FOR EMERGENCIES REGARDING GAS LINES CALL (713) 659-3552 OR (713) 207-4200.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

WARNING: OVERHEAD ELECTRICAL FACILITIES OVERHEAD LINES MAY EXIST ON THE PROPERTY. THE LOCATION OF OVERHEAD LINES HAS NOT BEEN SHOWN ON THESE DRAWINGS AS THE LINES ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE FORBIDS ACTIVITIES THAT OCCUR IN CLOSE PROXIMITY TO HIGH VOLTAGE LINES, SPECIFICALLY:

- ANY ACTIVITY WHERE PERSON OR THINGS MAY COME WITHIN SIX(6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES; AND
- OPERATING A CRANE, DERRICK, POWER SHOVEL, DRILLING RIG, PILE DRIVER, HOISTING EQUIPMENT, OR SIMILAR APPARATUS WITHIN 10 FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES.

PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY AT (713) 207-2222.

ACTIVITIES ON OR ACROSS CENTERPOINT ENERGY FEE OR EASEMENT PROPERTY  
NO APPROVAL TO USE, CROSS OR OCCUPY CENTERPOINT ENERGY FEE OR EASEMENT PROPERTY IS GIVEN. IF YOU NEED TO USE CENTERPOINT PROPERTY, PLEASE CONTACT OR SURVEYING & RIGHT OF WAY DIVISION AT (713) 207-6348 OR (713) 207-5769.

**AT&T TEXAS/SWBT FACILITIES**

1. THE LOCATIONS OF AT&T TEXAS/SWBT FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL CALL 1-800-344-8377 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.
3. WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF AT&T TEXAS/SWBT FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN BORING, THE CONTRACTOR SHALL EXPOSE THE AT&T TEXAS/SWBT FACILITIES.
4. WHEN AT&T TEXAS/SWBT FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.
5. THE PRESENCE OR ABSENCE OF AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES OR BURIED CABLE FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURIED CABLES OR OTHER CABLES IN CONDUIT IN THE AREA.
6. PLEASE CONTACT THE AT&T TEXAS DAMAGE PREVENTION MANAGER MR. ROOSEVELT LEE JR. AT (713) 567-4552 OR E-MAIL HIM AT RL7259@ATT.COM. IF THERE ARE QUESTIONS ABOUT BORING OR EXCAVATING NEAR OUR AT&T TEXAS/SWBT FACILITIES.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK IN ANY RIGHT-OF-WAY OR EXISTING EASEMENT. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT (713) 223-4567, 1-800-245-4545 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.

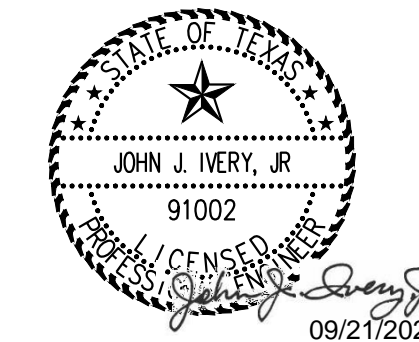
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NO.	REVISIONS	DATE	NAME

DRAWN BY:           G.G.            
 DESIGNED BY:           J.I.            
 CHECKED BY:           C.B.            
 APPROVED BY:           J.I.            
 SCALE:           N/A            
 DATE:           08/26/20          

GALVESTON COUNTY  
ENGINEERING DEPARTMENT

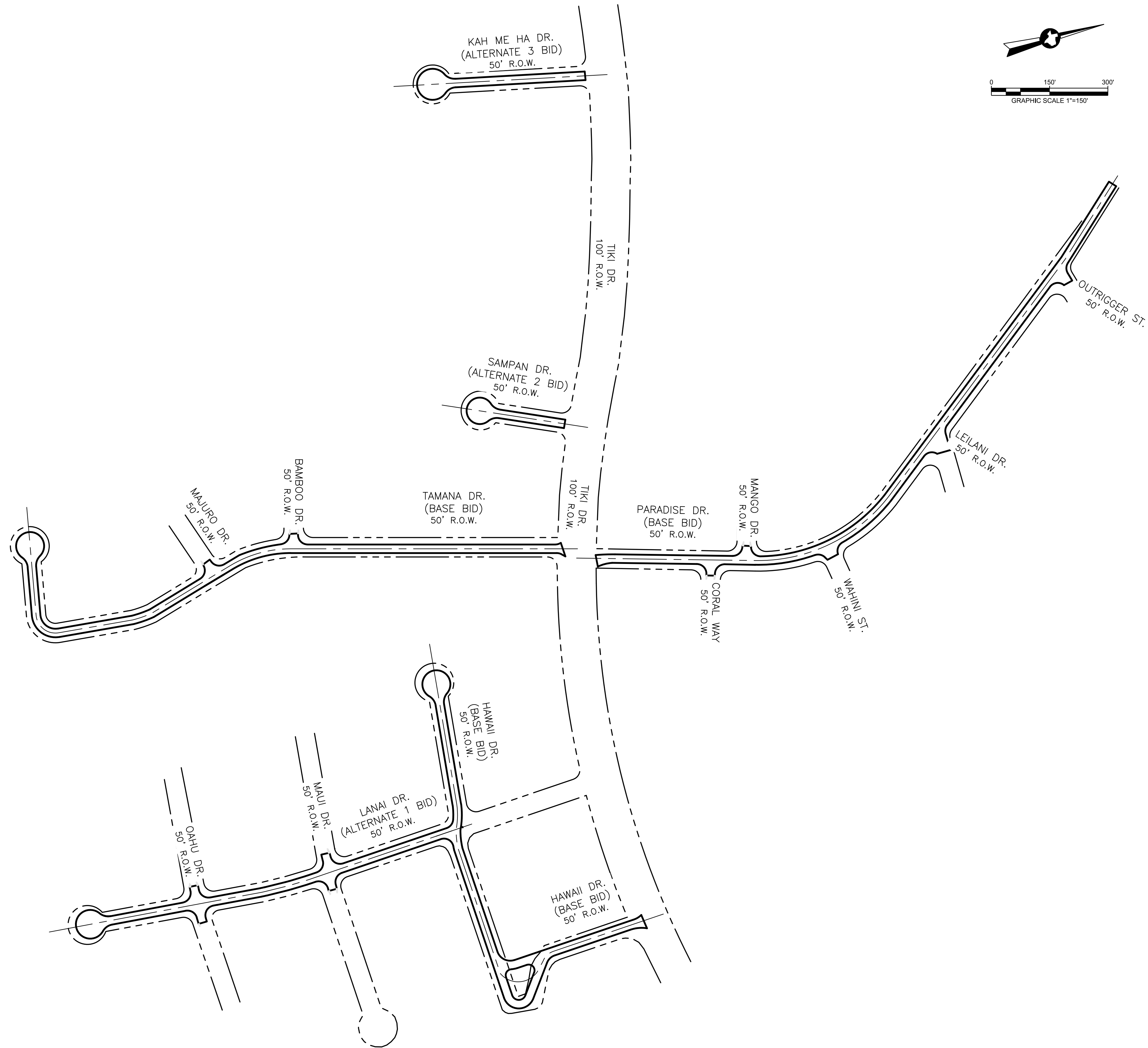
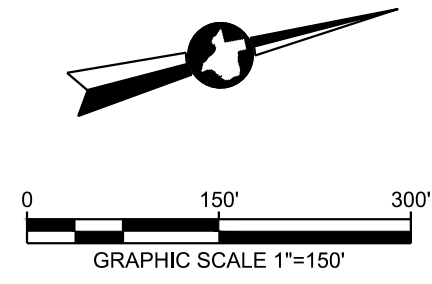


TIKI ISLAND  
GENERAL NOTES

P-3997

SHEET **02**  
OF **55**

BENCHMARK  
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 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



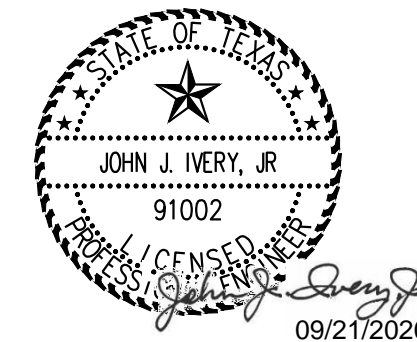
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 SCALE:           N/A            
 DATE:           08/26/20          

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

**EHRA**  
 ENGINEERING THE FUTURE  
 SINCE 1936  
 10011 Meadowglen Lane  
 Houston, Texas 77042  
 EHRAInc.com | 713.784.4500  
 TBPE No. F-726 | TBPLS No. 10092300

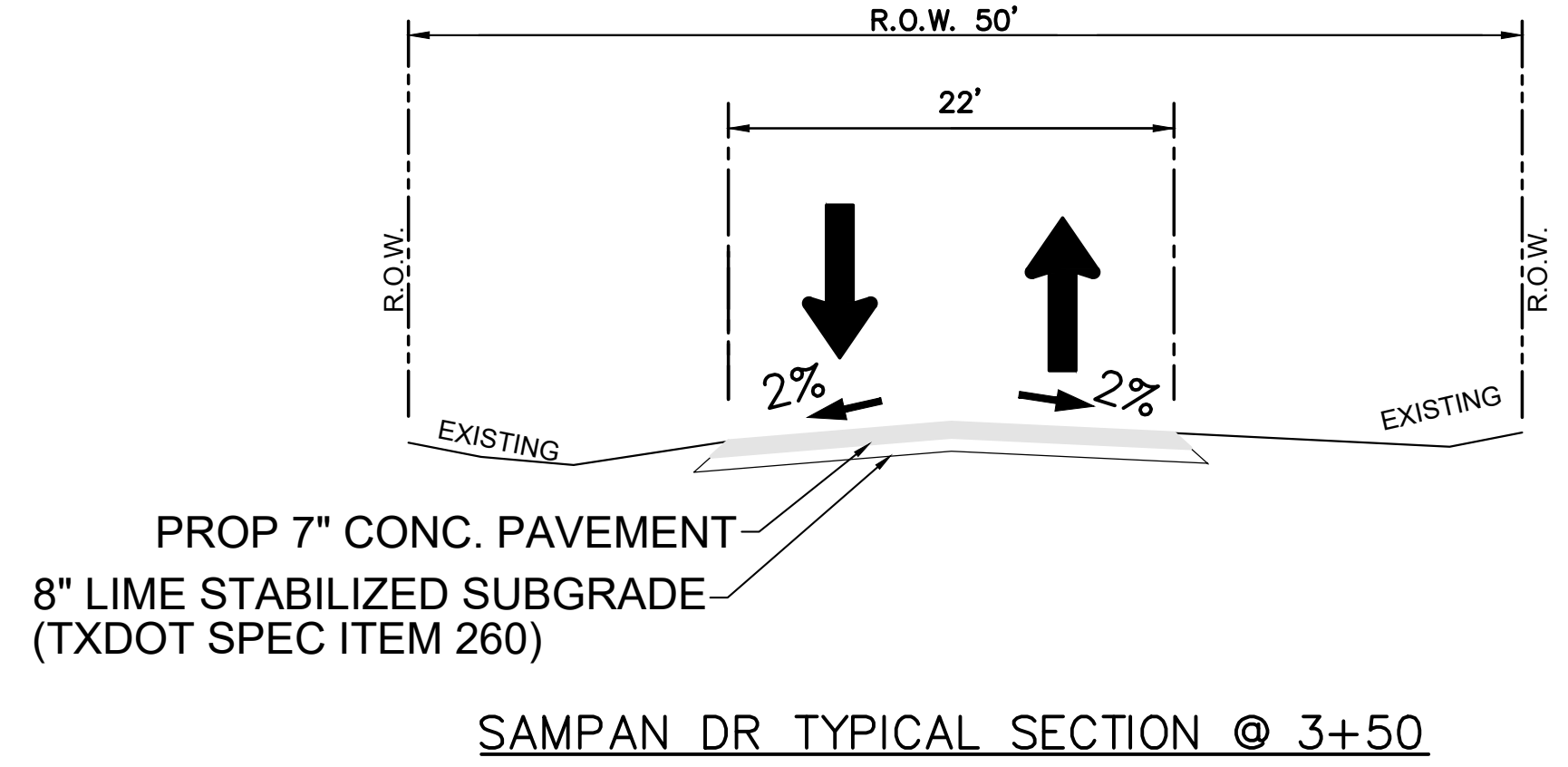
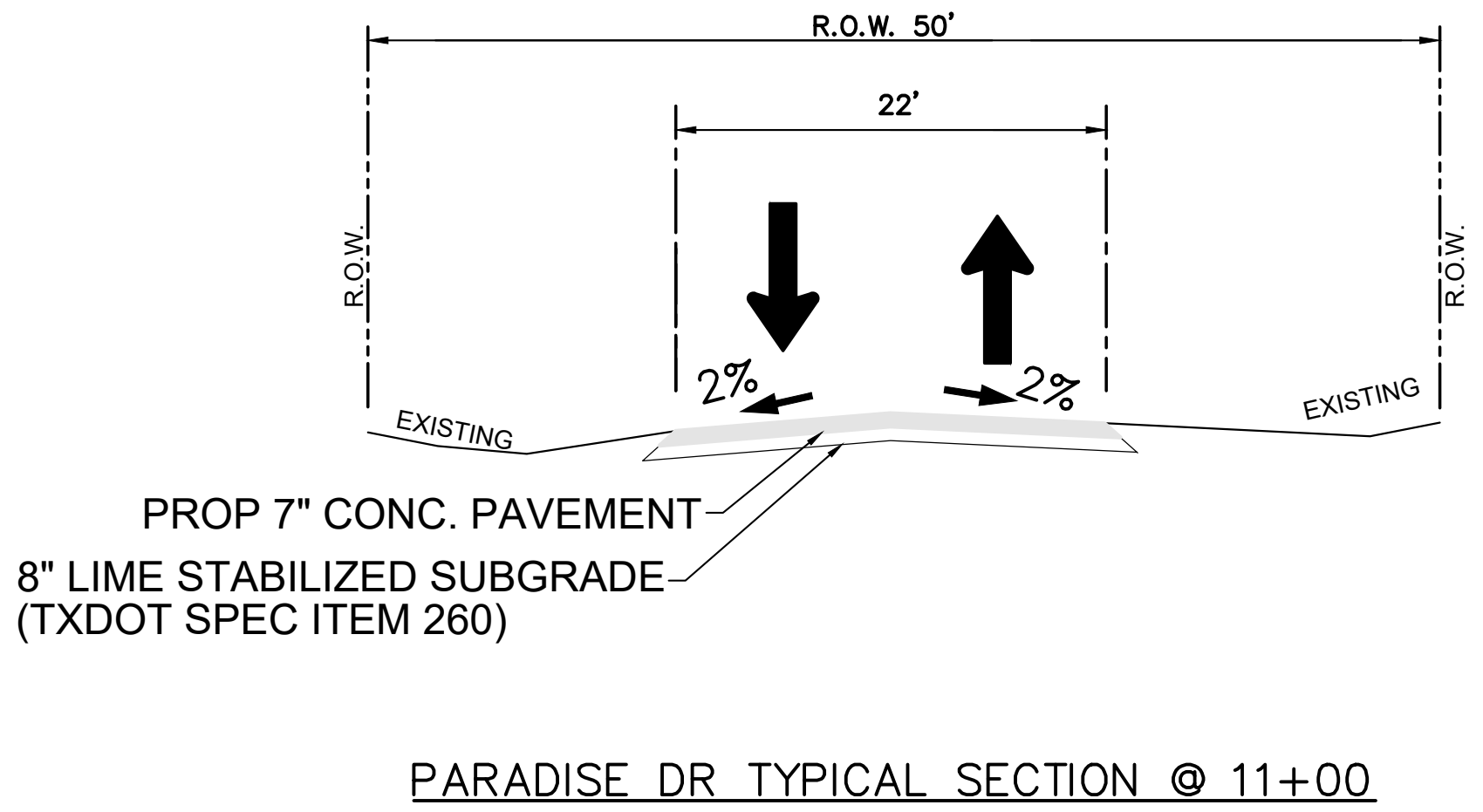
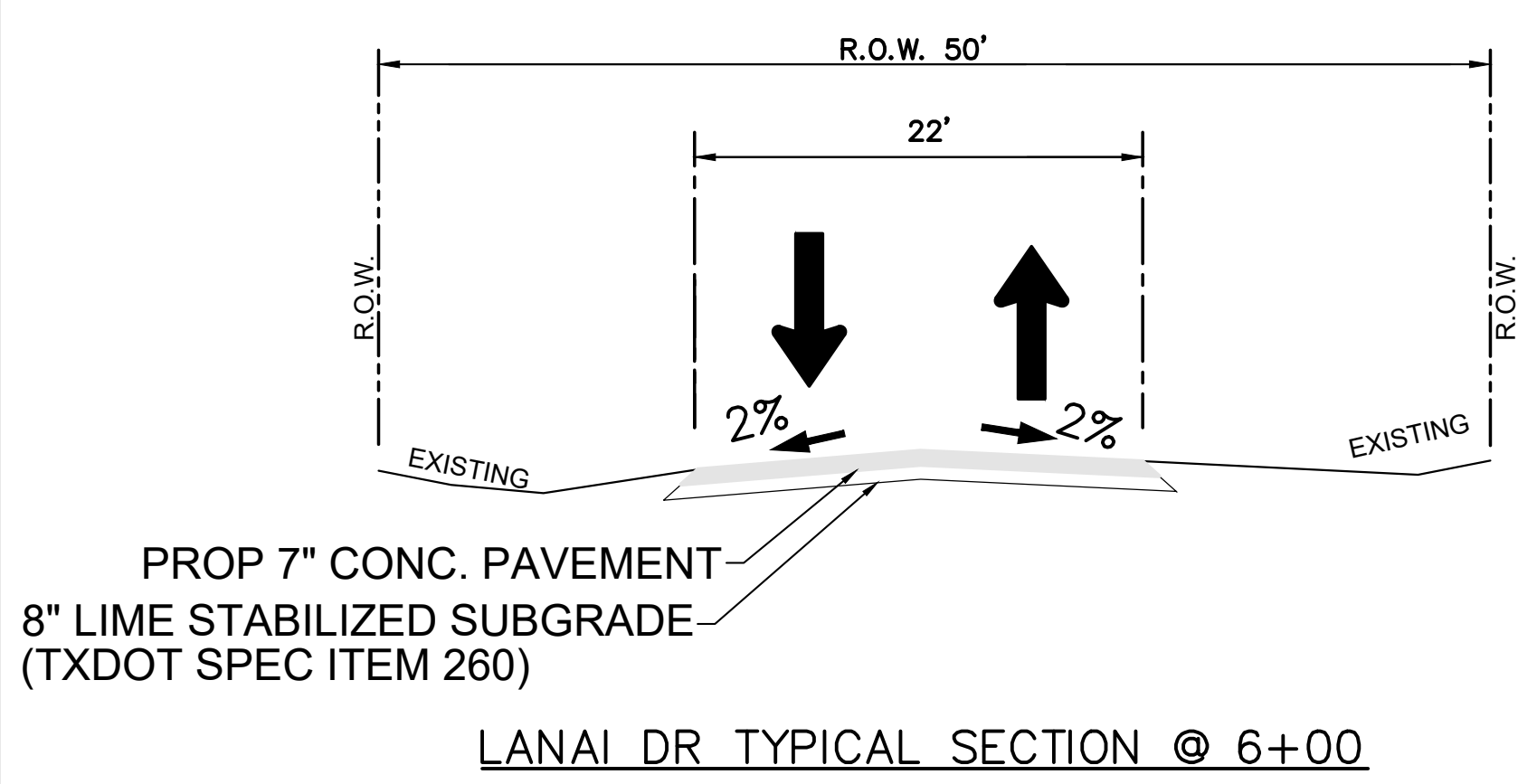
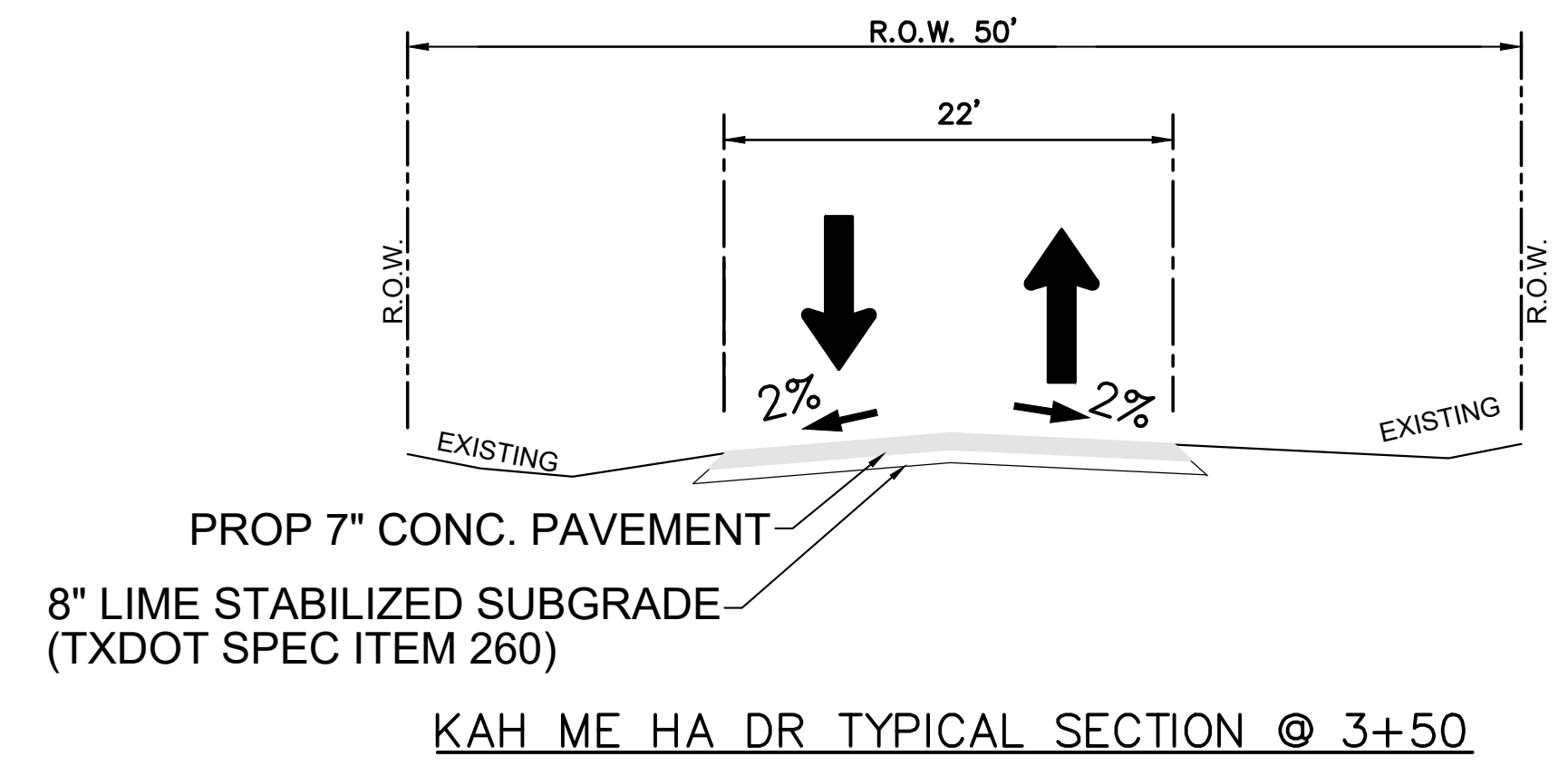
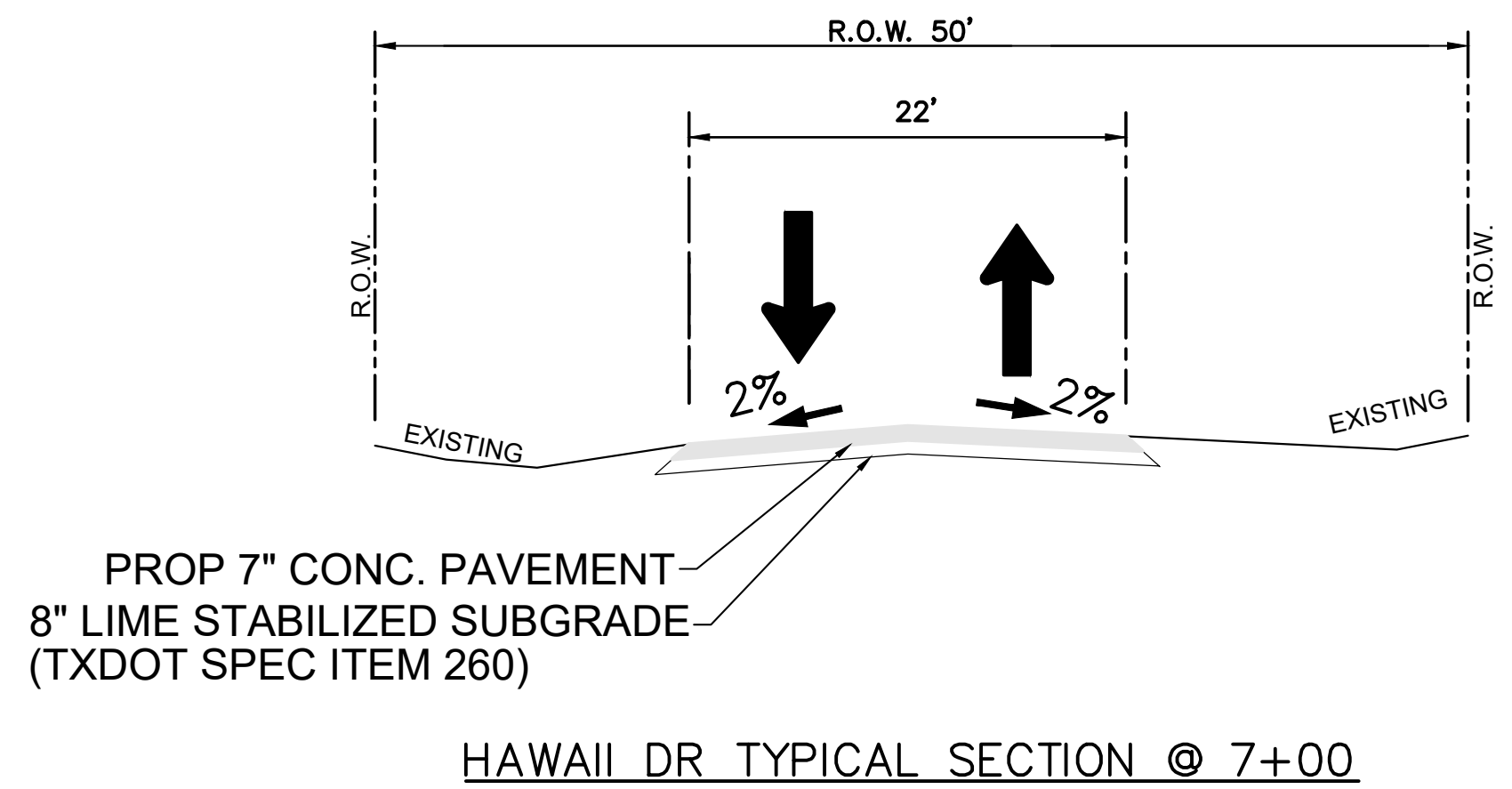
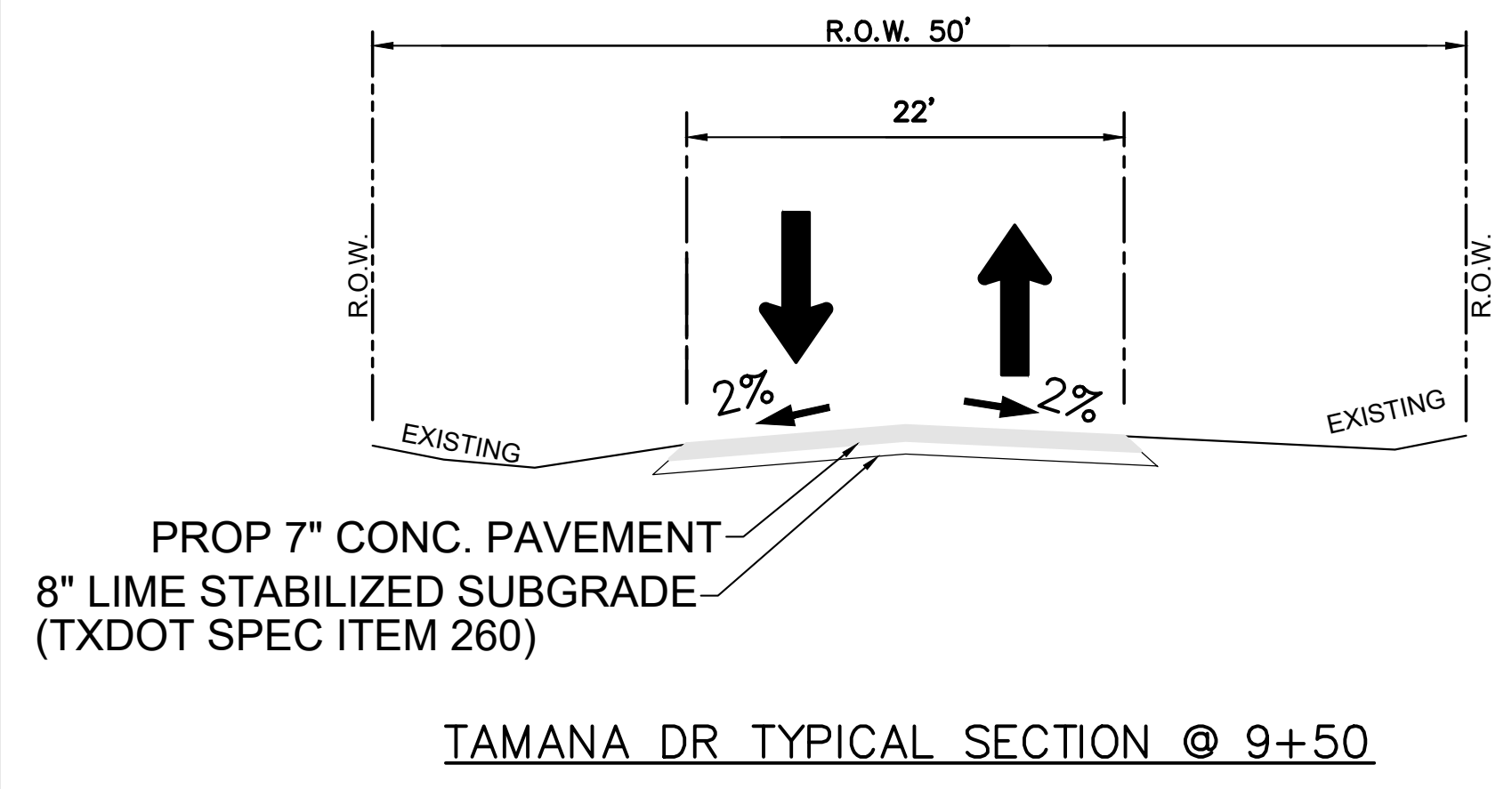
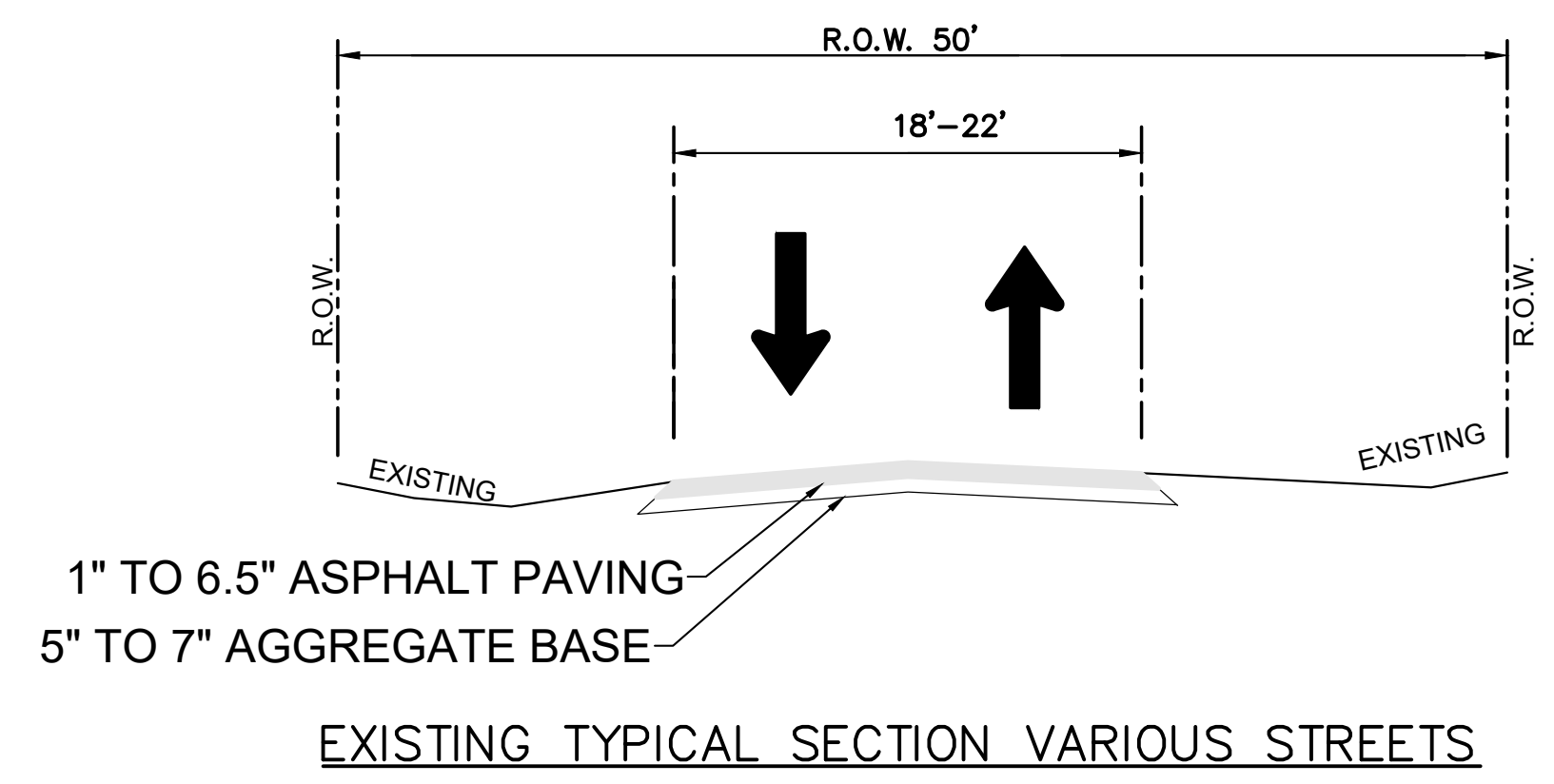


TIKI ISLAND  
 OVERALL LAYOUT

SHEET **03**  
 OF **55**

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NOTE:  
 1. FOR PAVEMENT AND SUBGRADE STRUCTURE INFORMATION PLEASE REFER TO GEOTECH REPORT PREPARED BY PARADIGM PROJECT NO. 19-1089, DATED MARCH 2, 2020.



P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

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 ENGINEERING THE FUTURE SINCE 1936  
 10011 Meadowglen Lane  
 Houston, Texas 77042  
 EHRAInc.com | 713.784.4500  
 TBPE No. F-726 | TBPLS No. 10092300

STATE OF TEXAS  
 JOHN J. IVERY, JR.  
 91002  
 LICENSED PROFESSIONAL ENGINEER  
 09/21/2020

TIKI ISLAND  
 PROPOSED & EXISTING  
 TYPICAL SECTIONS

SHEET  
**04**  
 OF  
**55**

P:\181-062-00\Drawings\TIKI ISLAND\36 TYP. CROSS SECTIONS.dwg Sep 18, 2020-8:27am Edited by: cmueliner

# Tiki Island - Traffic Control Narrative

## Typical Traffic Control Plan Narrative

### GENERAL STATEMENT - FOR ALL STREETS

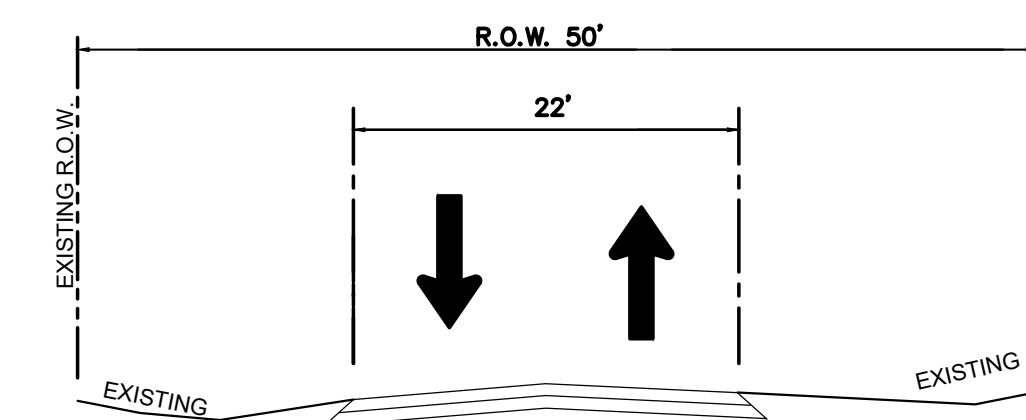
COMPLETE PHASE I AND PHASE II OF ONE STREET BEFORE MOVING ON THE NEXT STREET. COMPLETE PROJECT IN CHRONOLOGICAL ORDER ACCORDING TO THE SEGMENT NUMBERS.

### PHASE I - FOR ALL STREETS

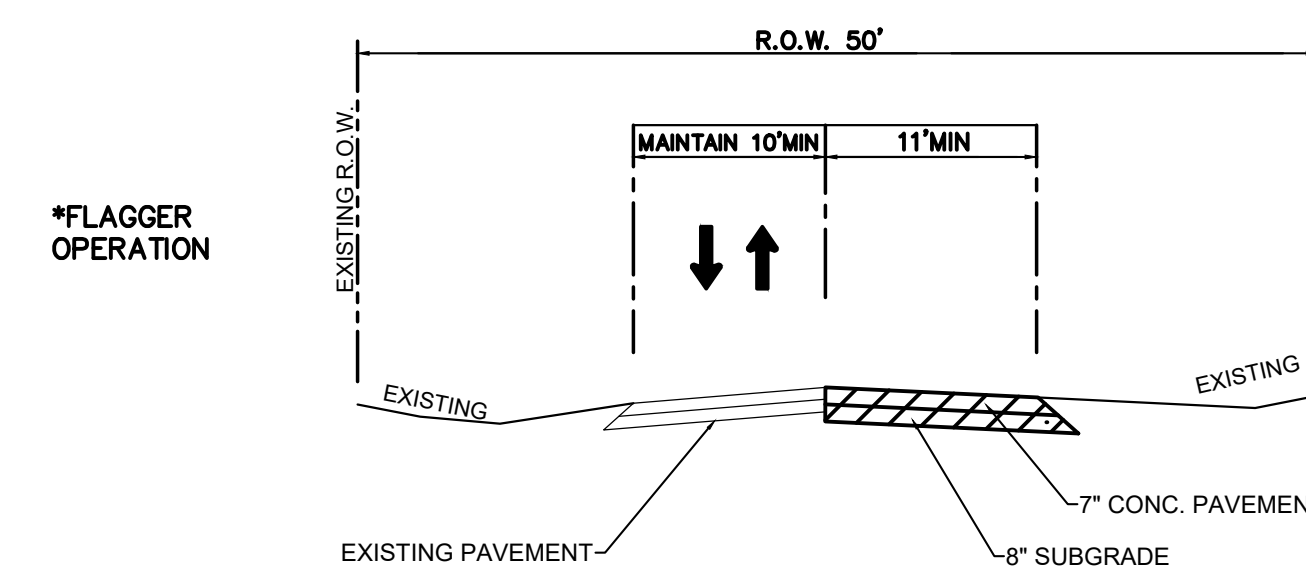
- CONTRACTOR TO INSTALL ADVANCED WARNING SIGNS AND INSTALL ALL TRAFFIC CONTROL DEVICES AS PER THE LATEST REVISION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
- CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES ADJACENT TO AND IN THE WORK AREAS AT ALL TIMES. CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS TO ALL DRIVEWAYS AT ALL TIMES. CONTRACTOR SHALL CONSTRUCT TEMPORARY DRIVEWAYS FOR ACCESS AS NECESSARY AT NO COST TO THE PROJECT.
- CONTRACTOR TO CONSTRUCT BOTH PHASES OF EACH SEGMENT BEFORE MOVING TO THE NEXT SEGMENT.
- CONTRACTOR SHALL USE STREET LIGHT TCP DETAIL SHEET 10 TO HALF OF THE PROPOSED PAVEMENT IN 1,000 LF SEGMENTS.
- CONTRACTOR WILL CONDUCT CONSTRUCTION AS A MOBILE OPERATION IN 1000 LF SEGMENTS
- CONTRACTOR SHALL USE HIGH EARLY STRENGTH CONCRETE FOR ALL INTERSECTIONS. SEE THE CITY OF HOUSTON DETAIL "TCP TYPICAL 3-WAY INTERSECTION PHASE 1-3" DRAWINGS 01512-06 TO 01512-08.
- CONTRACTOR SHALL OPEN ALL CLOSED ROADS DURING NON-WORKING HOURS. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC SAFETY AND SHALL ADEQUATELY AND SAFELY COVER AND/OR BACKFILL TRENCH OR OTHER EXCAVATIONS, IF ANY, PRIOR TO OPENING ROADS TO TRAFFIC.

### PHASE II - FOR ALL STREETS

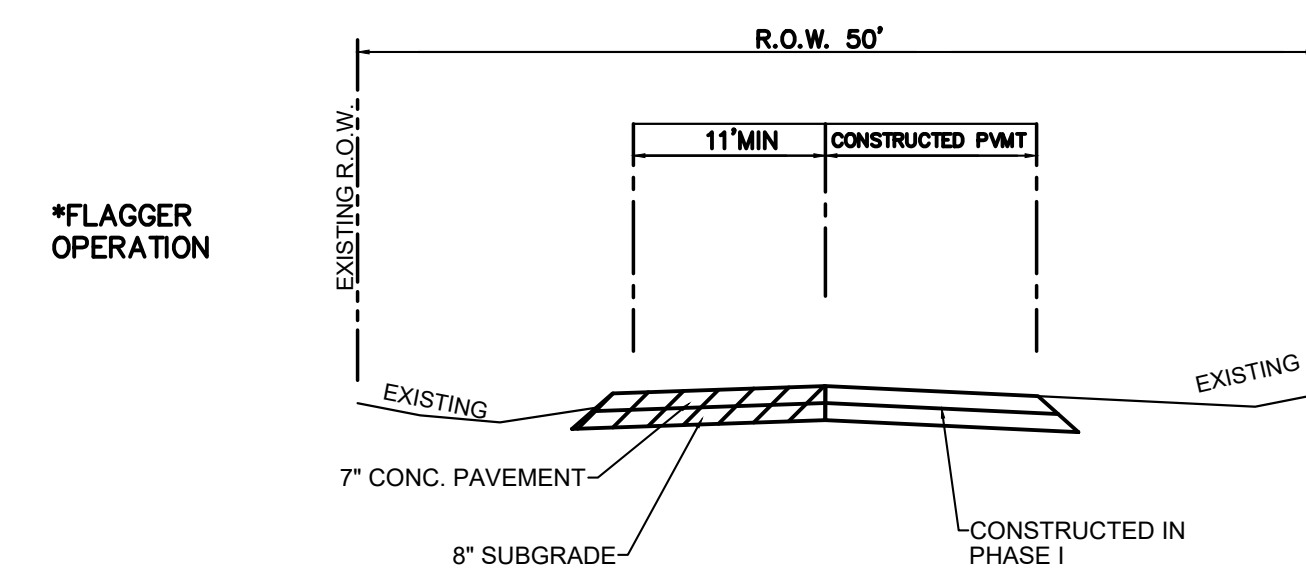
- CONTRACTOR SHALL MAINTAIN ALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES.
- CONTRACTOR TO CONSTRUCT BOTH PHASES OF EACH SEGMENT BEFORE MOVING TO THE NEXT SEGMENT.
- CONTRACTOR SHALL USE STREET LIGHT TCP DETAIL SHEET 10 TO HALF OF THE PROPOSED PAVEMENT IN 1,000 LF SEGMENTS.
- CONTRACTOR SHOULD COMPLETE CONSTRUCTION OF ONE STREET COMPLETELY BEFORE MOVING ON TO ANOTHER STREET.
- CONTRACTOR WILL CONDUCT CONSTRUCTION AS A MOBILE OPERATION IN 1000 LF SEGMENTS.
- CONTRACTOR SHALL USE HIGH EARLY STRENGTH CONCRETE FOR ALL INTERSECTIONS. SEE THE CITY OF HOUSTON DETAIL "TCP TYPICAL 3-WAY INTERSECTION PHASE 1-3" DRAWINGS 01512-06 TO 01512-08.
- CONTRACTOR SHALL OPEN ALL CLOSED ROADS DURING NON-WORKING HOURS. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC SAFETY AND SHALL ADEQUATELY AND SAFELY COVER AND/OR BACKFILL TRENCH OR OTHER EXCAVATIONS, IF ANY, PRIOR TO OPENING ROADS TO TRAFFIC.
- CONTRACTOR CAN ONLY WORK ON ONE STREET AT A TIME AT ALL TIMES.



EXISTING CONDITIONS



PHASE I



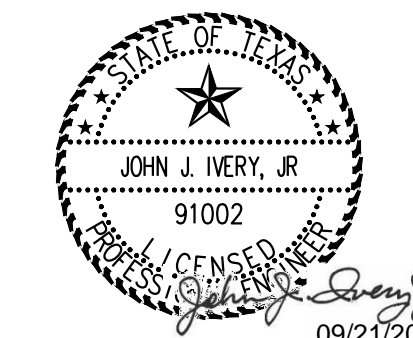
PHASE II

P-3997

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 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

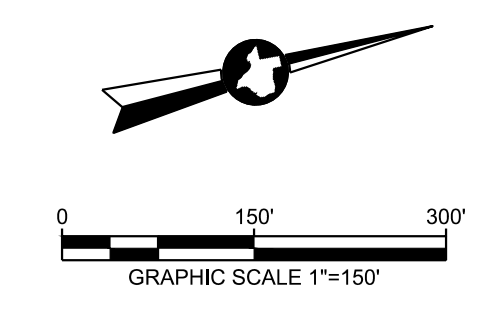
GALVESTON COUNTY  
 ENGINEERING DEPARTMENT



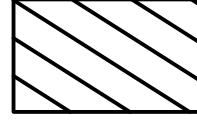
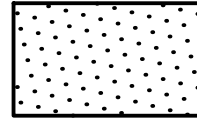
TIKI ISLAND  
 TRAFFIC CONTROL PLAN 1 OF 2

SHEET 05  
 OF 55

BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'

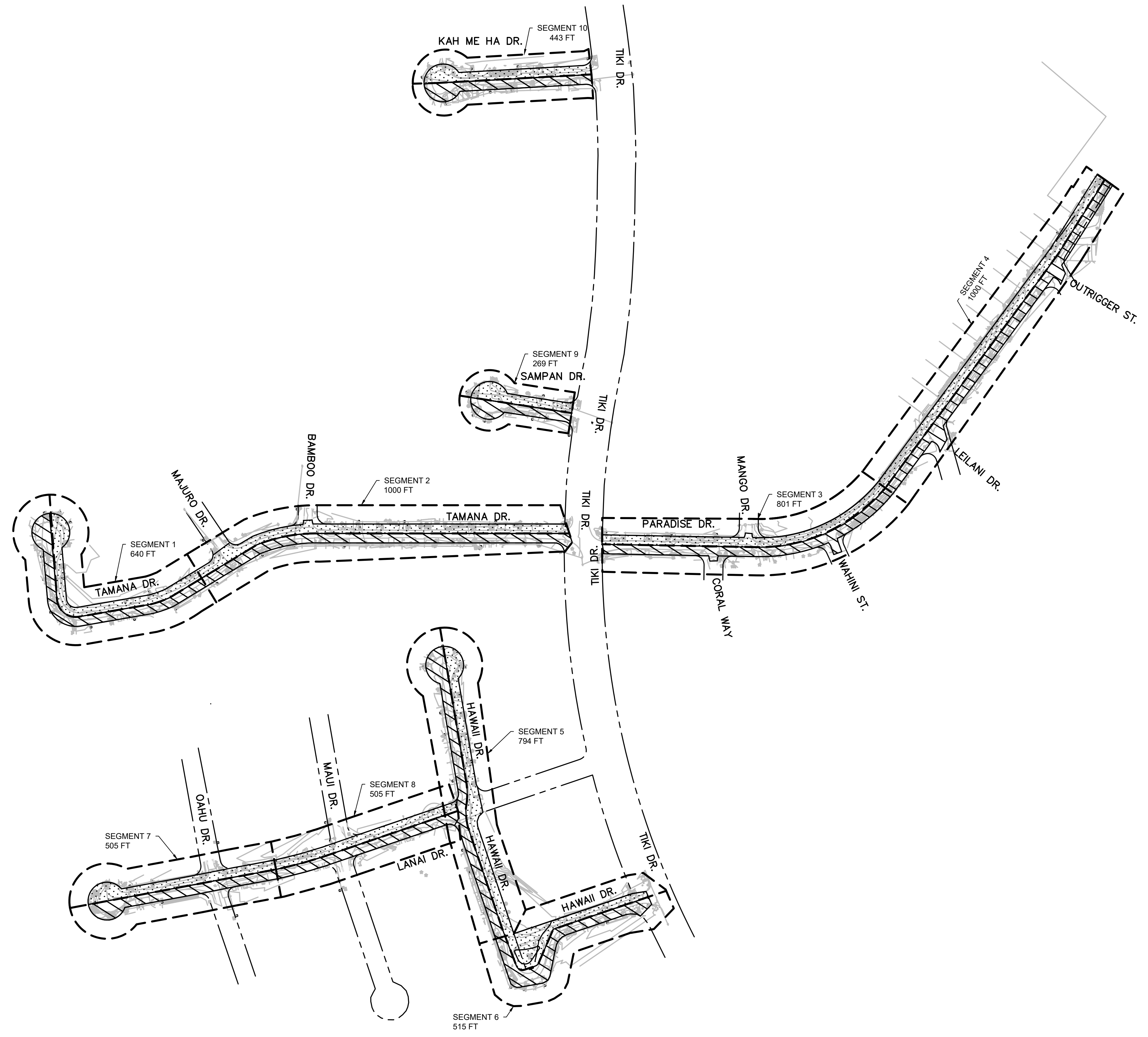


**LEGEND**

-  PHASE I
-  PHASE II

**NOTE:**

- CONSTRUCTION OF ROADWAY SHALL BE ONLY 1000 FEET AT A TIME.
- COMPLETE BOTH PHASES OF ONE STREET BEFORE MOVING TO THE NEXT STREET.



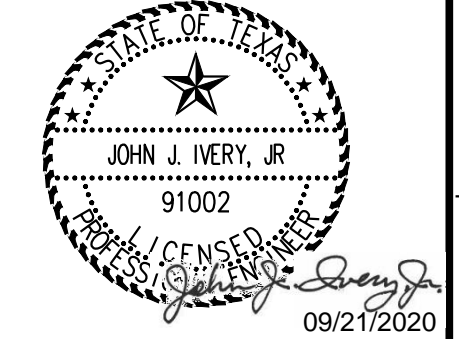
P-3997

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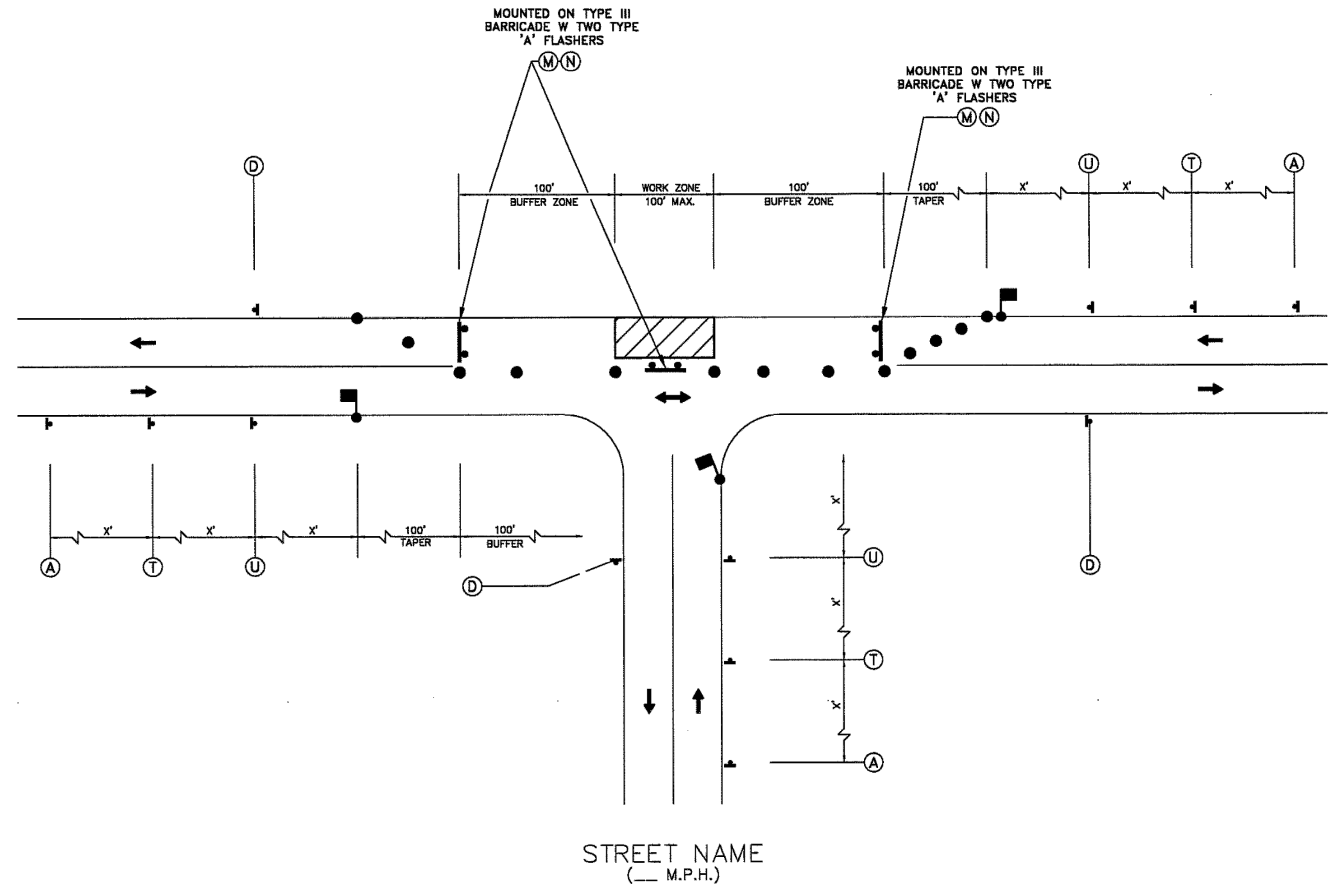
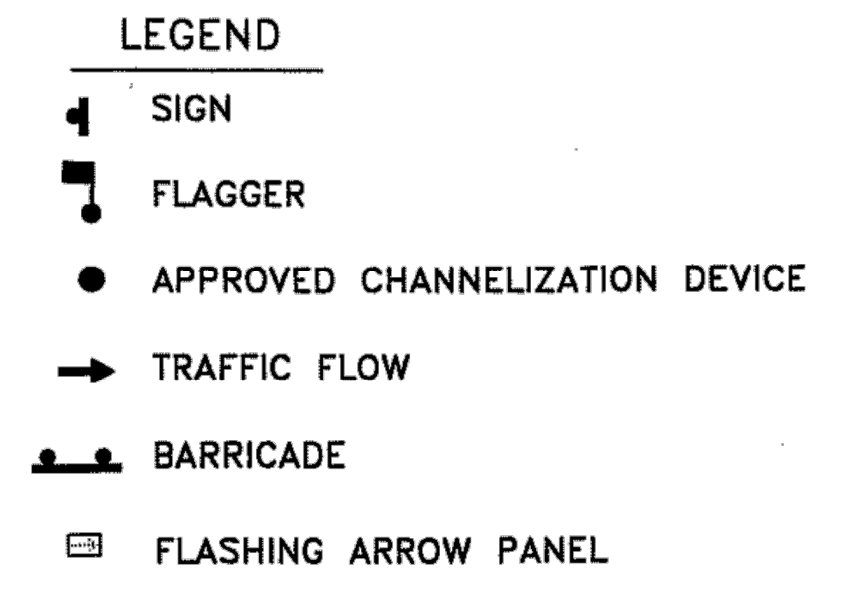
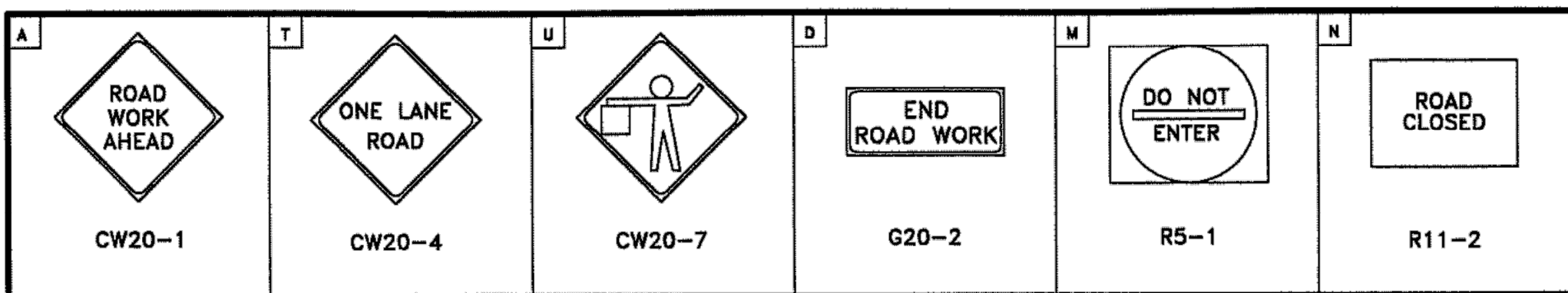
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 TBPE No. F-726 | TBPLS No. 10092300



TIKI ISLAND  
 TRAFFIC CONTROL PLAN 2 OF 2

SHEET **06**  
 OF **55**

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STREET NAME  
(\_\_\_ M.P.H.)

STREET NAME  
(\_\_\_ M.P.H.)

**PHASE 1 OF 3  
TYPICAL CONSTRUCTION ZONE  
AT A T-INTERSECTION**

- NOTE:**
1. MINOR WORK ONLY.
  2. CONTRACTOR SHALL USE ONE-LANE ROAD CLOSURE AND DETOUR ROUTING FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.
  3. FOR DIMENSIONS REFER TO SHEET 01512-01

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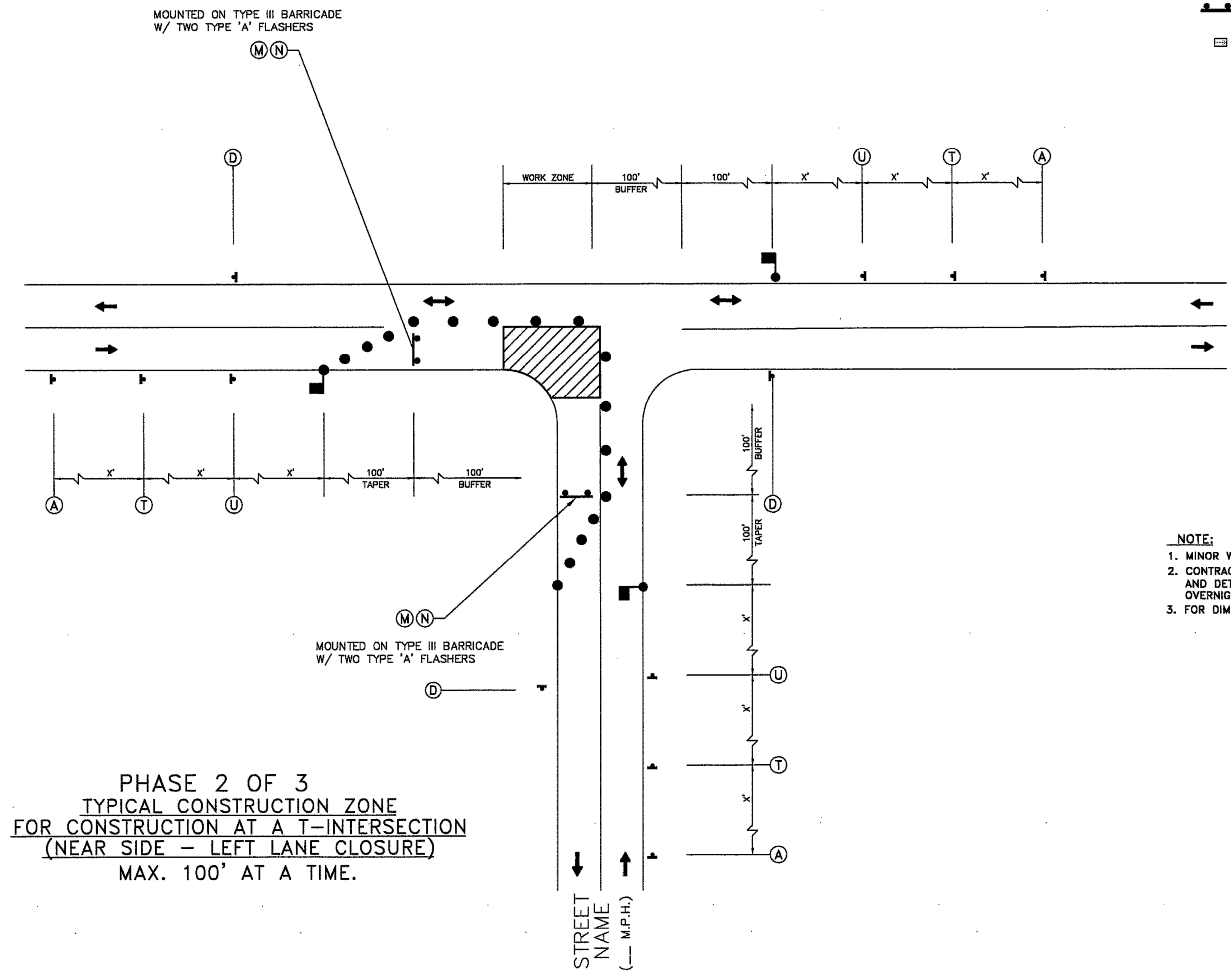
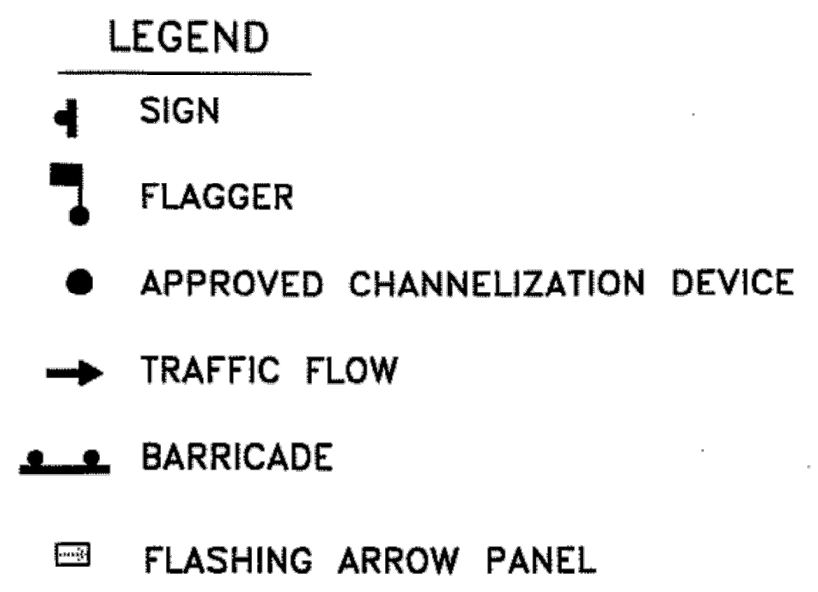
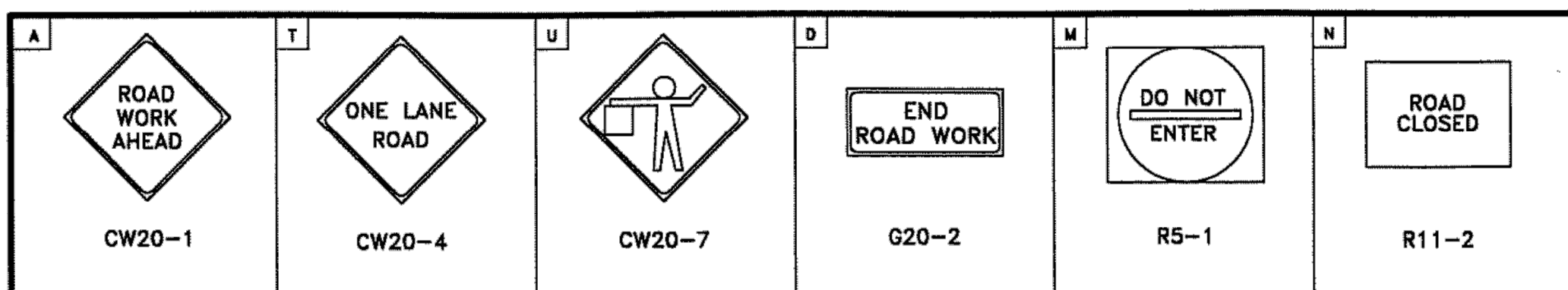
GALVESTON COUNTY  
ENGINEERING DEPARTMENT

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TIKI ISLAND  
TCP TYPICAL 3-WAY  
INTERSECTION PHASE 1 OF 3

SHEET **07**  
OF **55**

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(\_\_\_ M.P.H.)

- NOTE:**
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  2. CONTRACTOR SHALL USE ONE-LANE ROAD CLOSURE AND DETOUR ROUTING FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.
  3. FOR DIMENSIONS REFER TO SHEET 01512-01

PHASE 2 OF 3  
 TYPICAL CONSTRUCTION ZONE  
 FOR CONSTRUCTION AT A T-INTERSECTION  
 (NEAR SIDE - LEFT LANE CLOSURE)  
 MAX. 100' AT A TIME.

P-3997

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 SCALE: N/A  
 DATE: 08/26/20

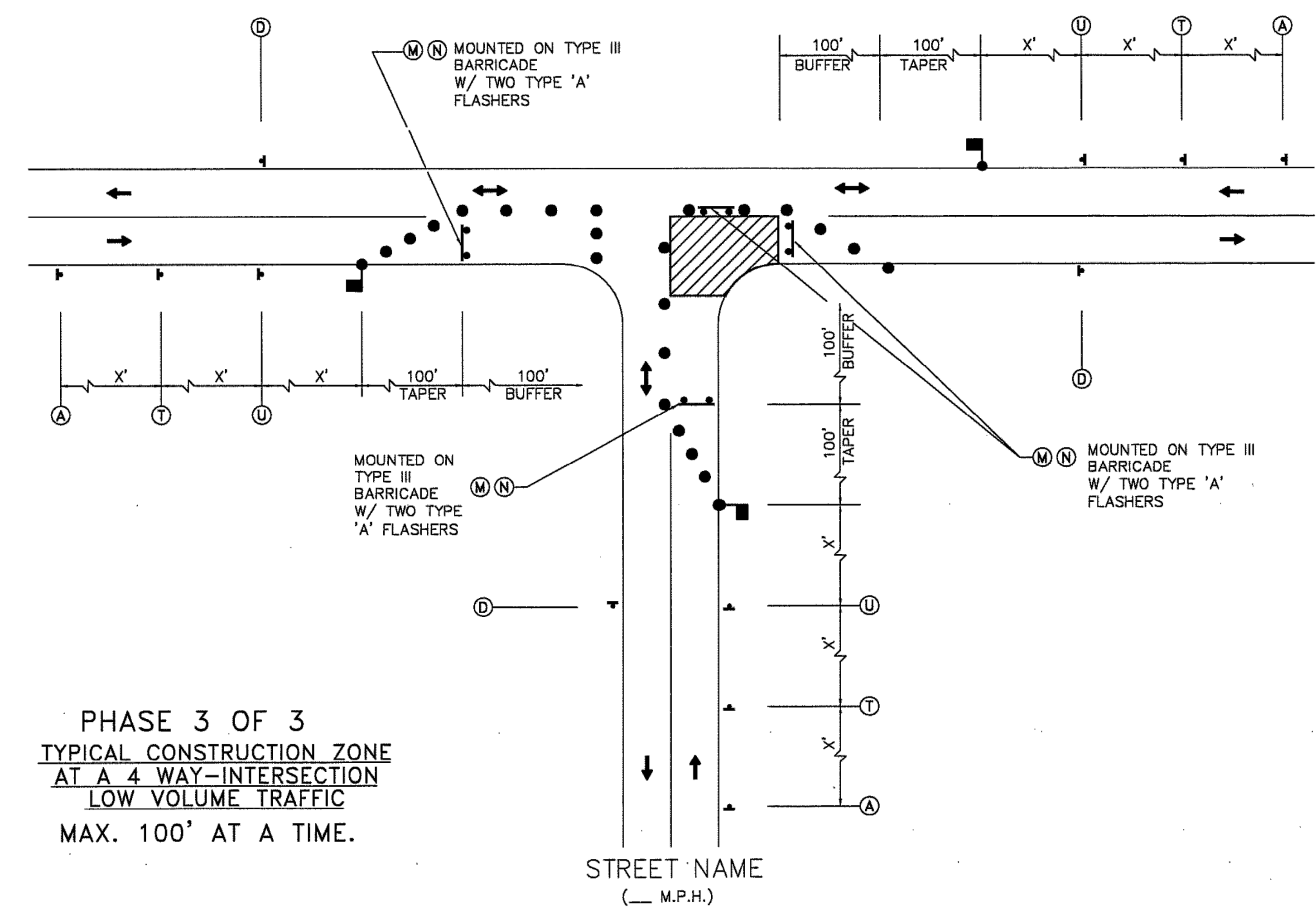
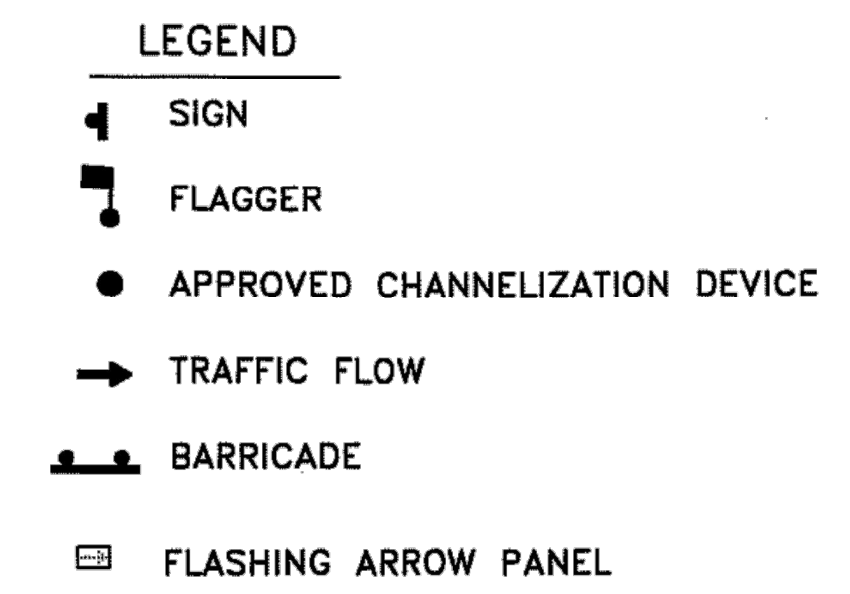
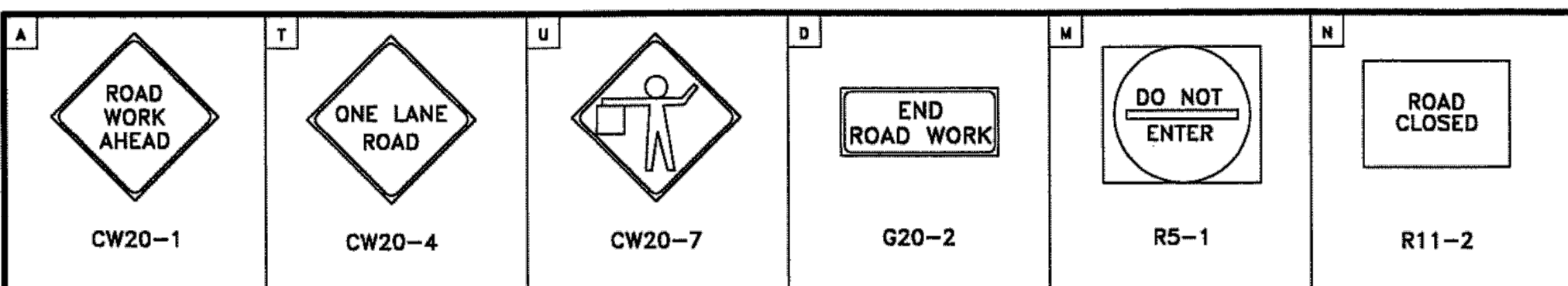
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TIKI ISLAND  
 TCP TYPICAL 3-WAY  
 INTERSECTION PHASE 2 OF 3

SHEET 08  
 OF 55

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PHASE 3 OF 3  
 TYPICAL CONSTRUCTION ZONE  
 AT A 4 WAY-INTERSECTION  
 LOW VOLUME TRAFFIC  
 MAX. 100' AT A TIME.

**NOTE:**  
 1. MINOR WORK ONLY.  
 2. CONTRACTOR SHALL USE ONE-LANE ROAD CLOSURE AND DETOUR ROUTING FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.  
 3. FOR DIMENSIONS REFER TO SHEET 01512-01

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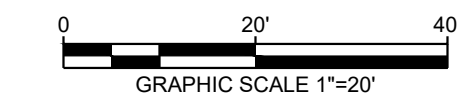
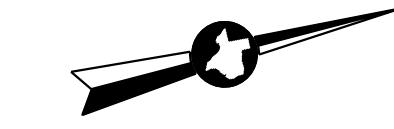
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TIKI ISLAND  
 TCP TYPICAL 3-WAY  
 INTERSECTION PHASE 3 OF 3

SHEET **09**  
 OF **55**

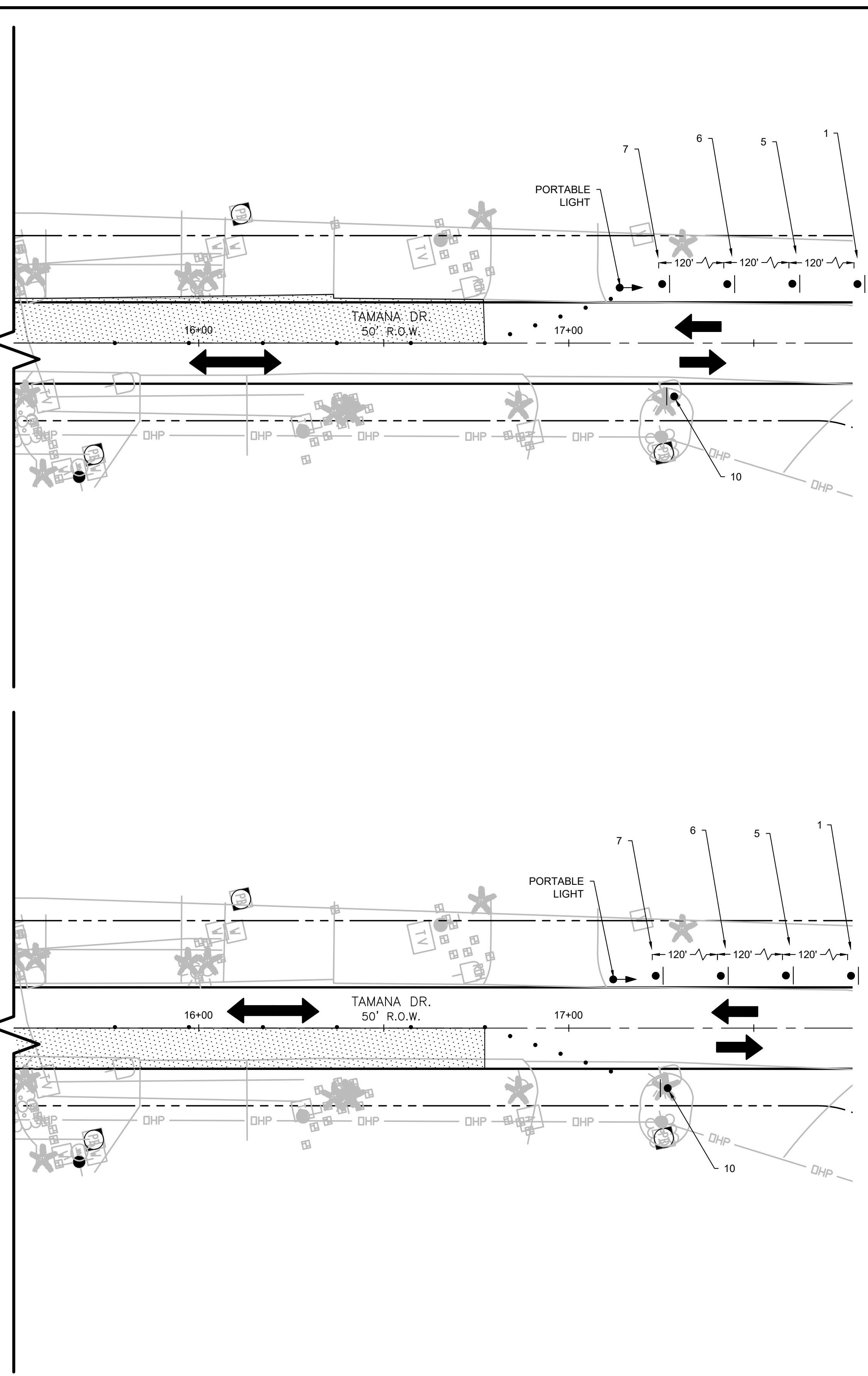
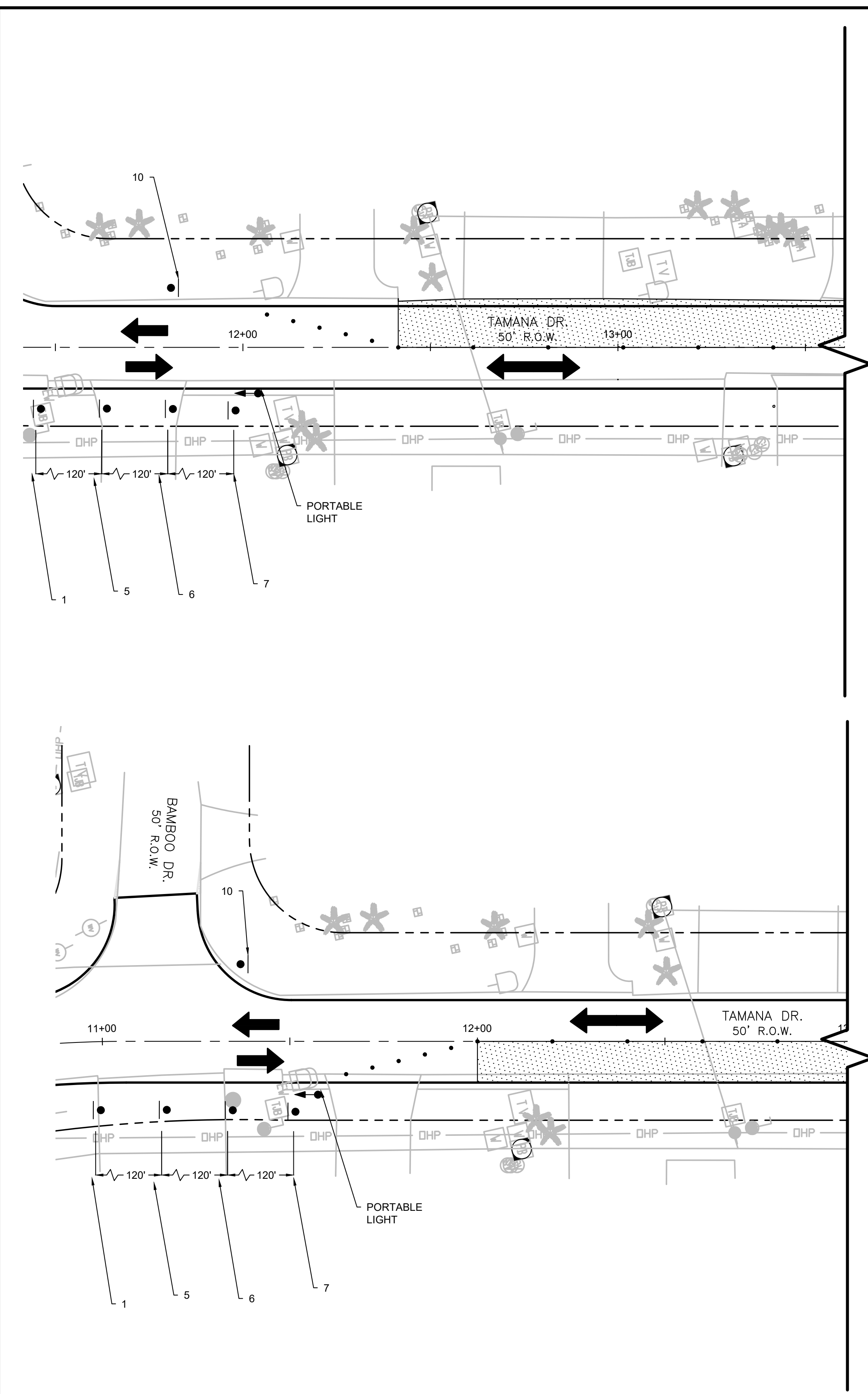
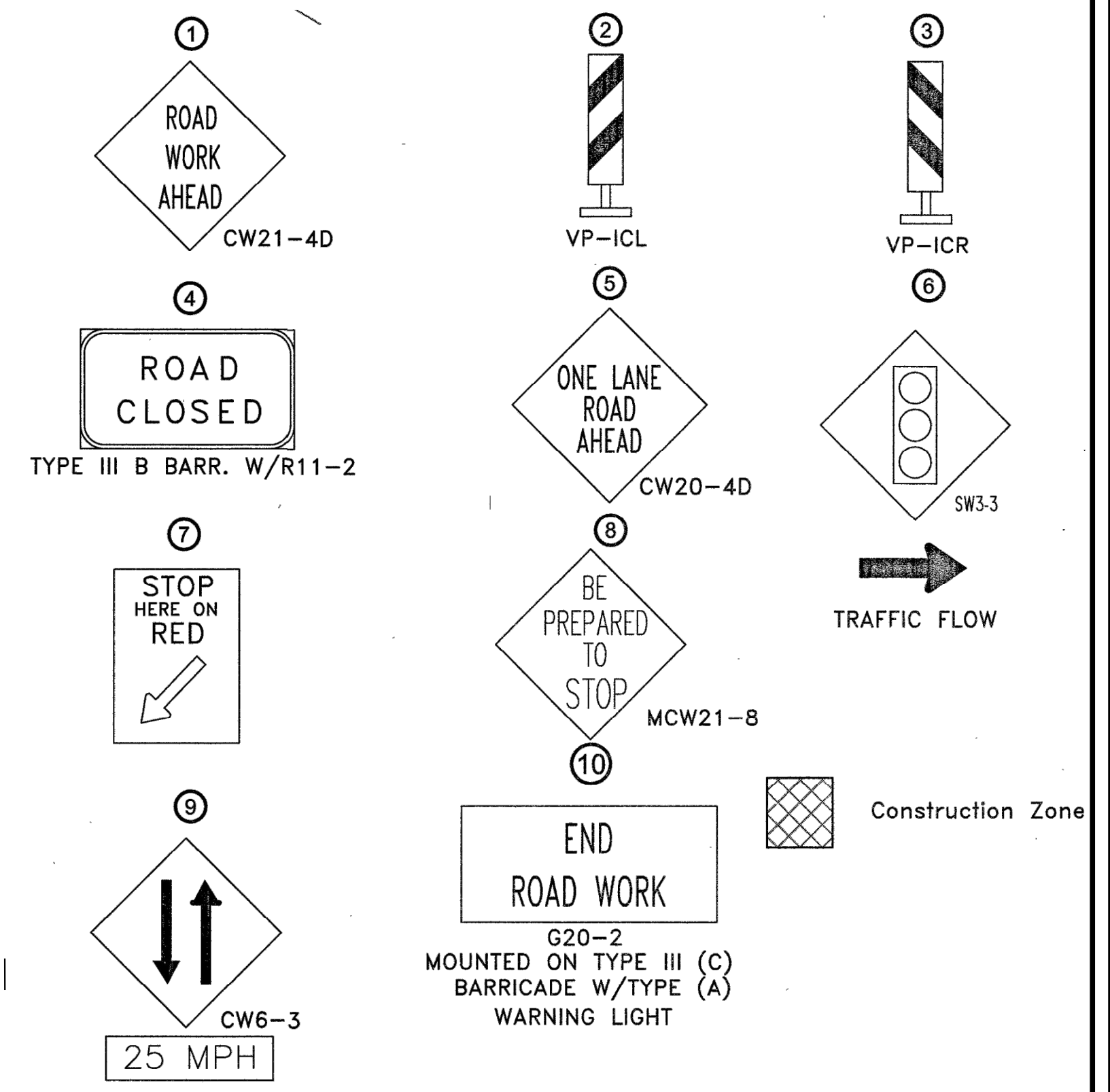
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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



NOTES:

1. TYPICAL ONE-LANE CLOSURE PLAN FOR ALL STREETS
2. RELOCATE AND RESTORE EXISTING MAILBOXES.

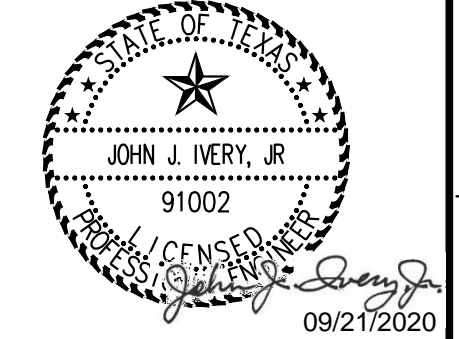


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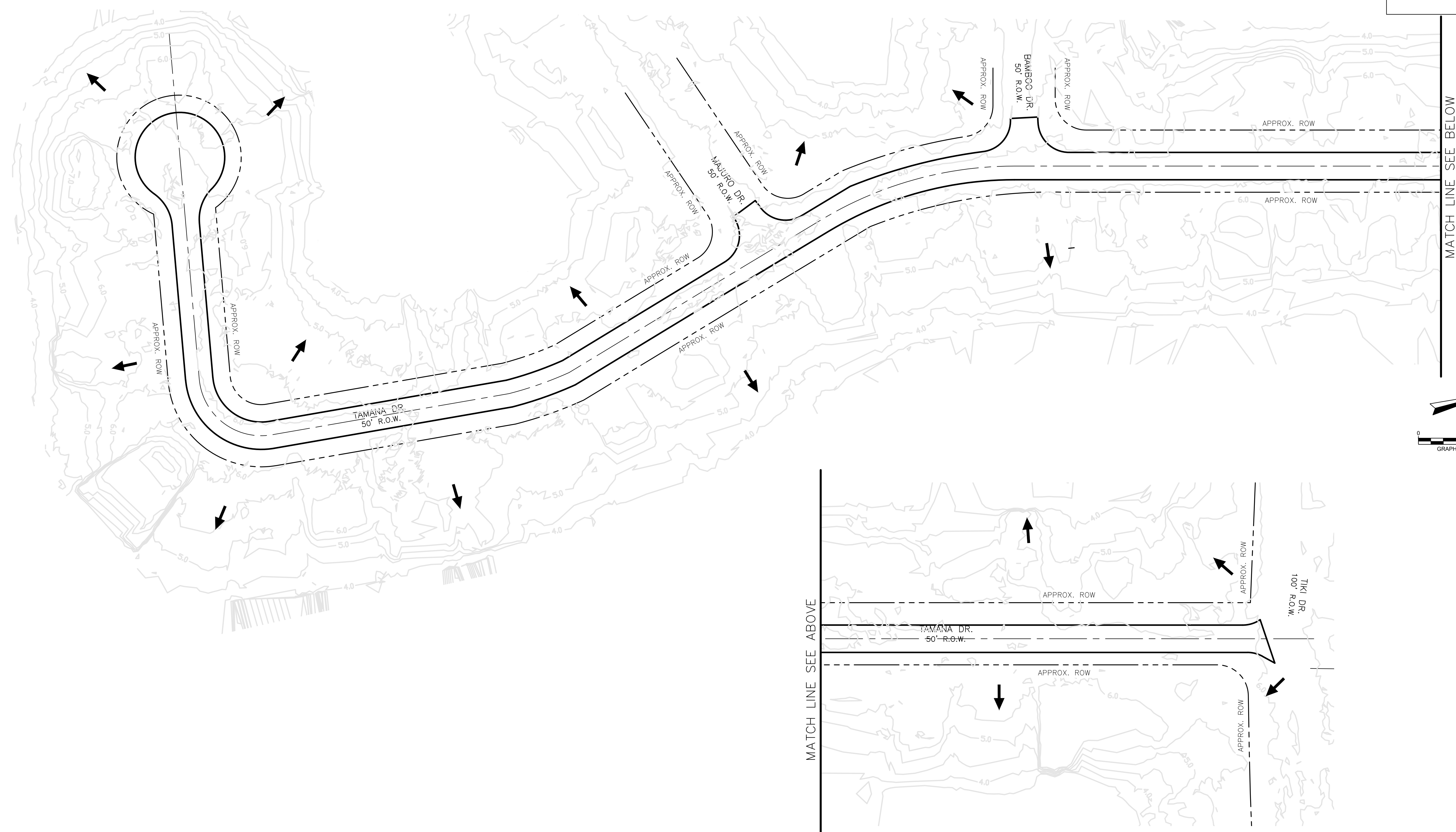
TIKI ISLAND  
 TRAFFIC CONTROL PLAN DETAIL  
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 SHEET 10  
 OF 55

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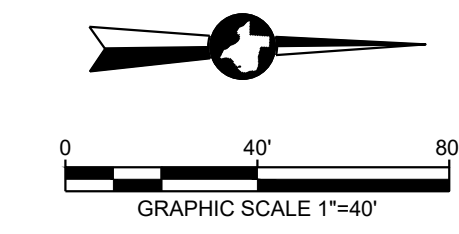
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STATE OF TEXAS  
 JOHN J. IVERY, JR.  
 91002  
 LICENSED PROFESSIONAL ENGINEER  
 09/21/2020

TIKI ISLAND  
 DRAINAGE AREA MAP  
 SHEET 1 OF 5

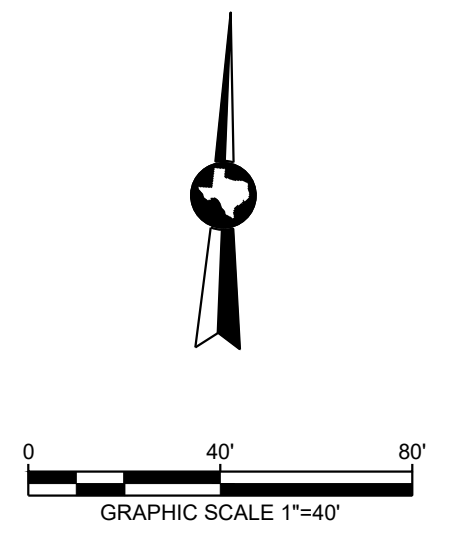
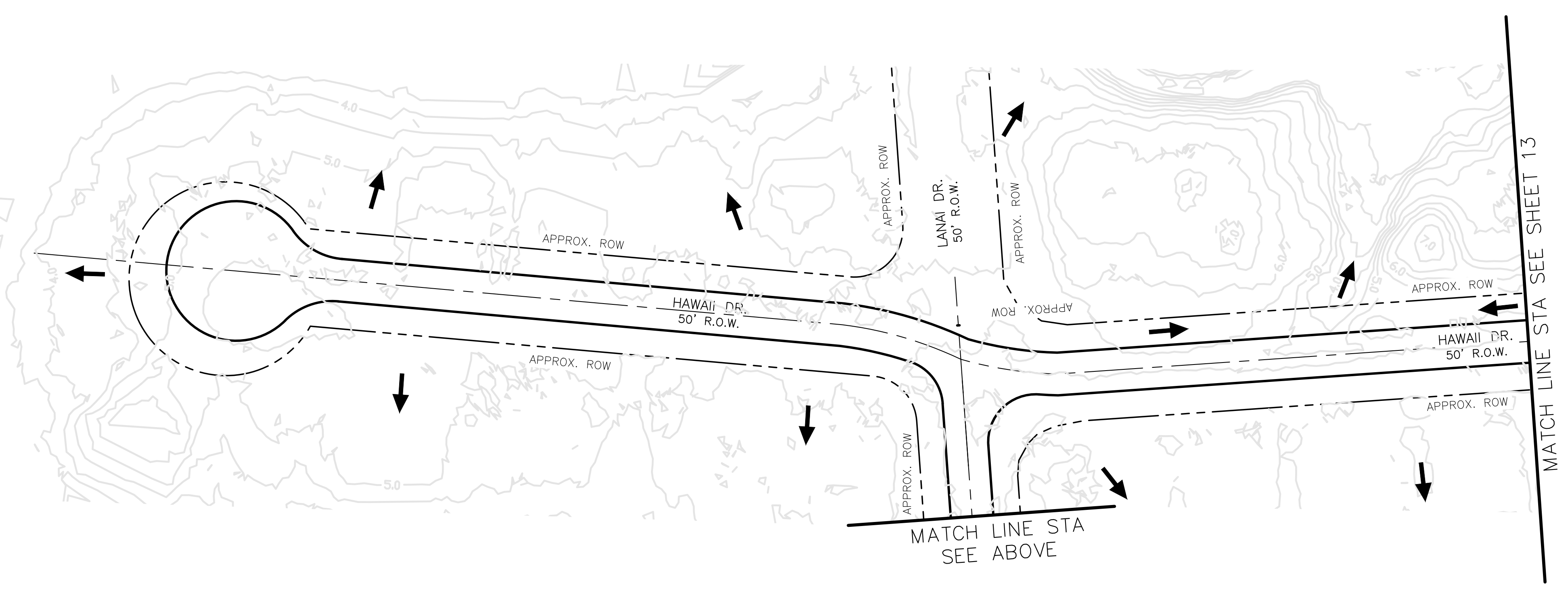
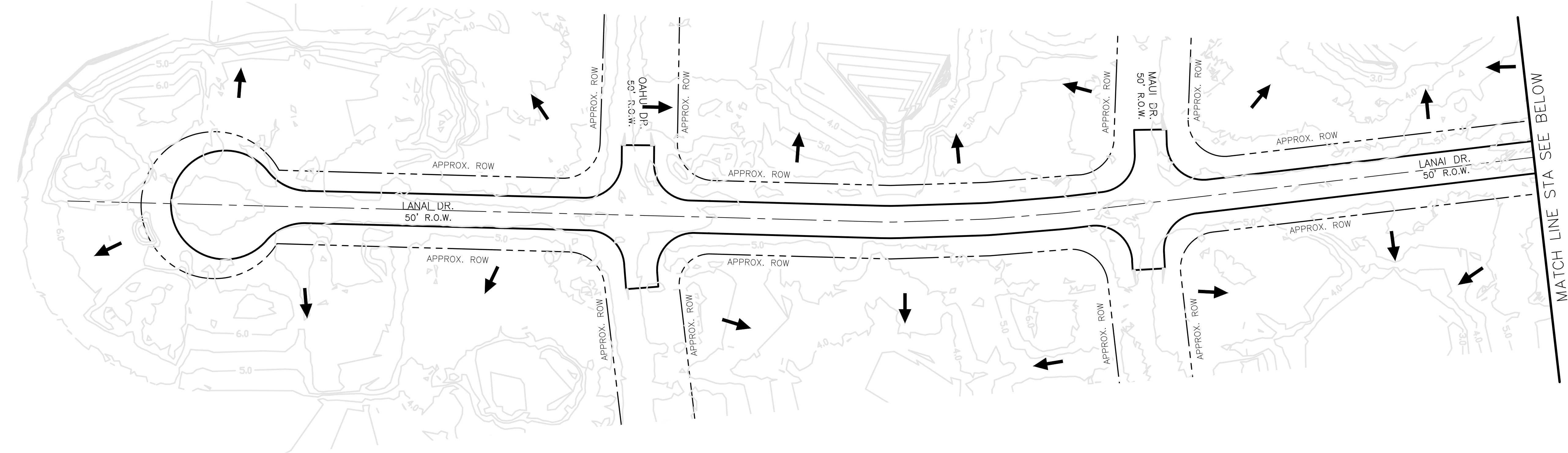
SHEET **11**  
 OF **55**

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STATE OF TEXAS  
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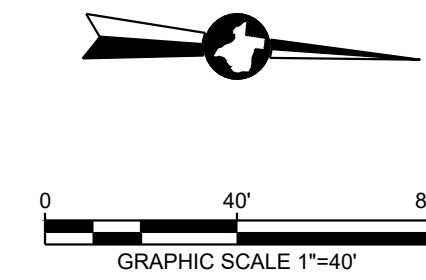
TIKI ISLAND  
 DRAINAGE AREA MAP  
 SHEET 2 OF 5

SHEET  
**12**  
 OF  
**55**

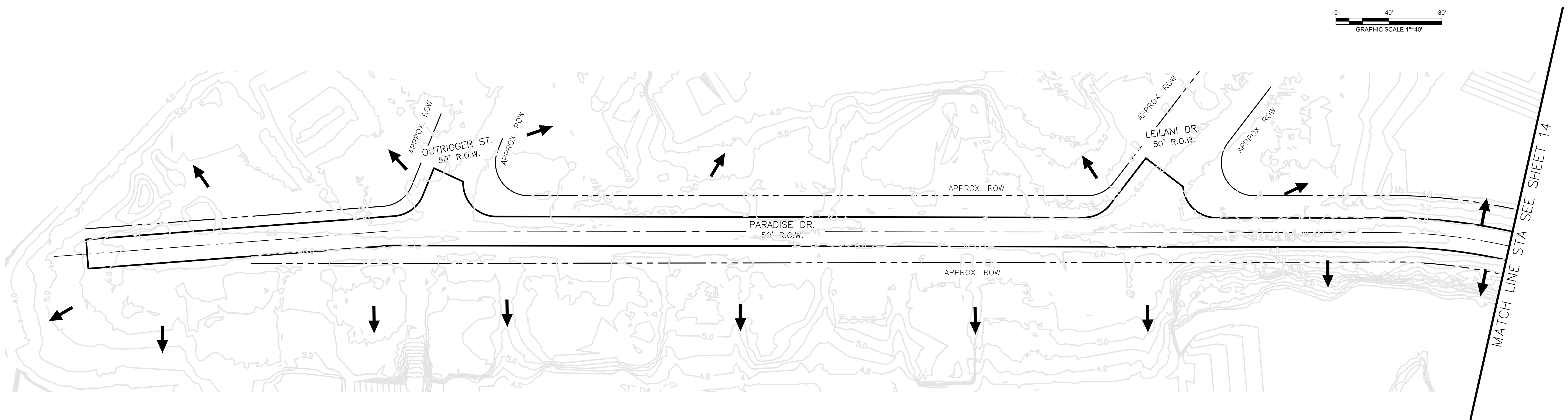
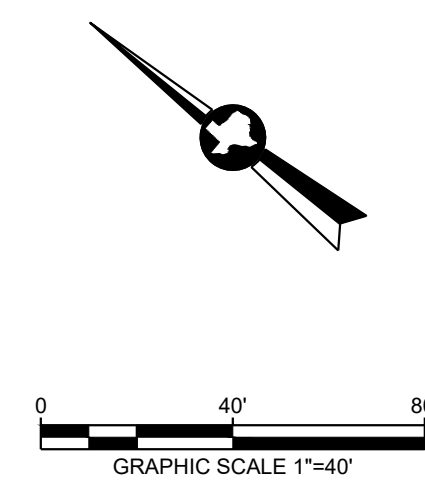
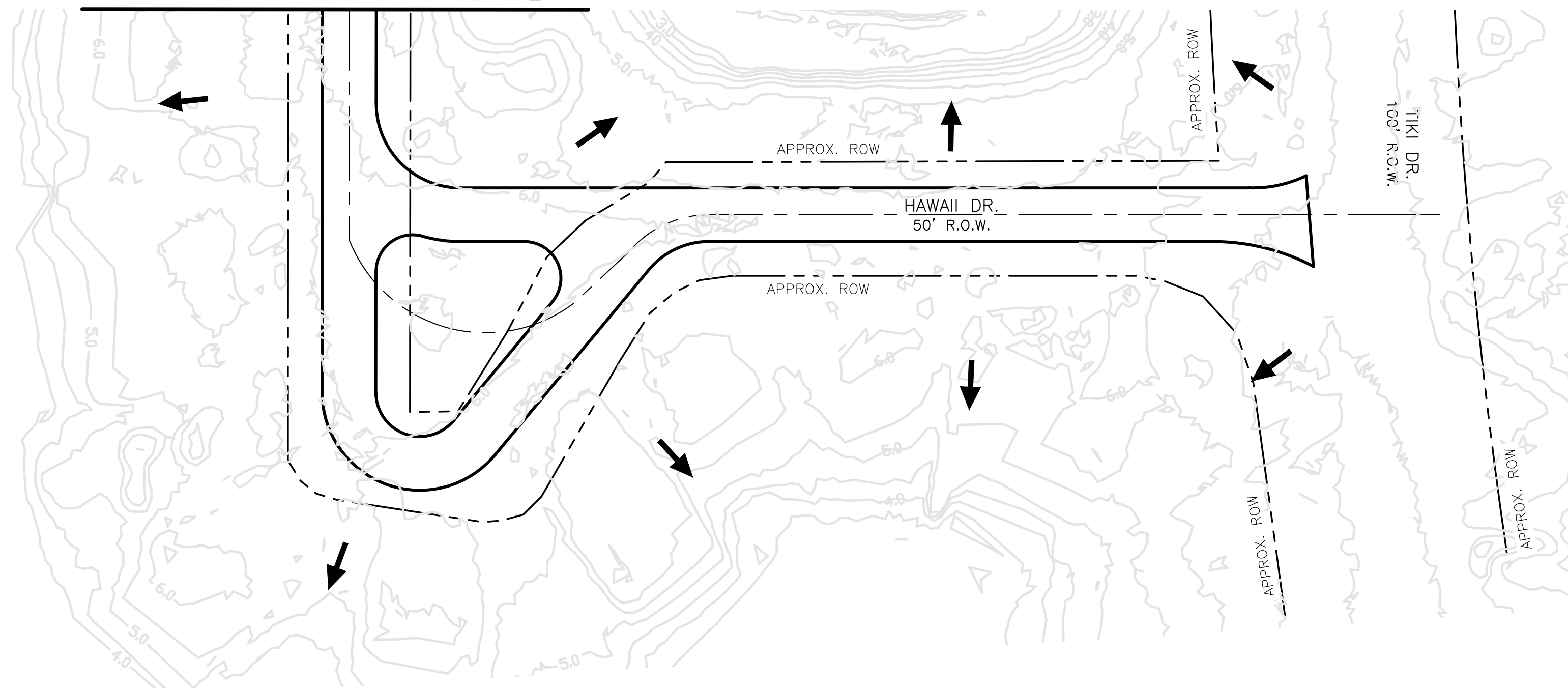
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MATCH LINE STA SEE SHEET 12



P-3997

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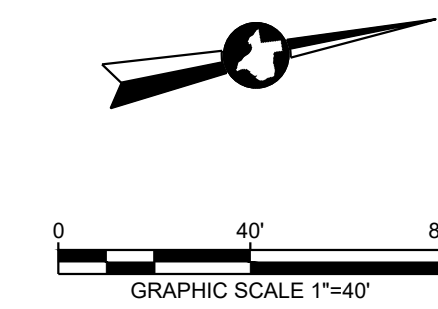
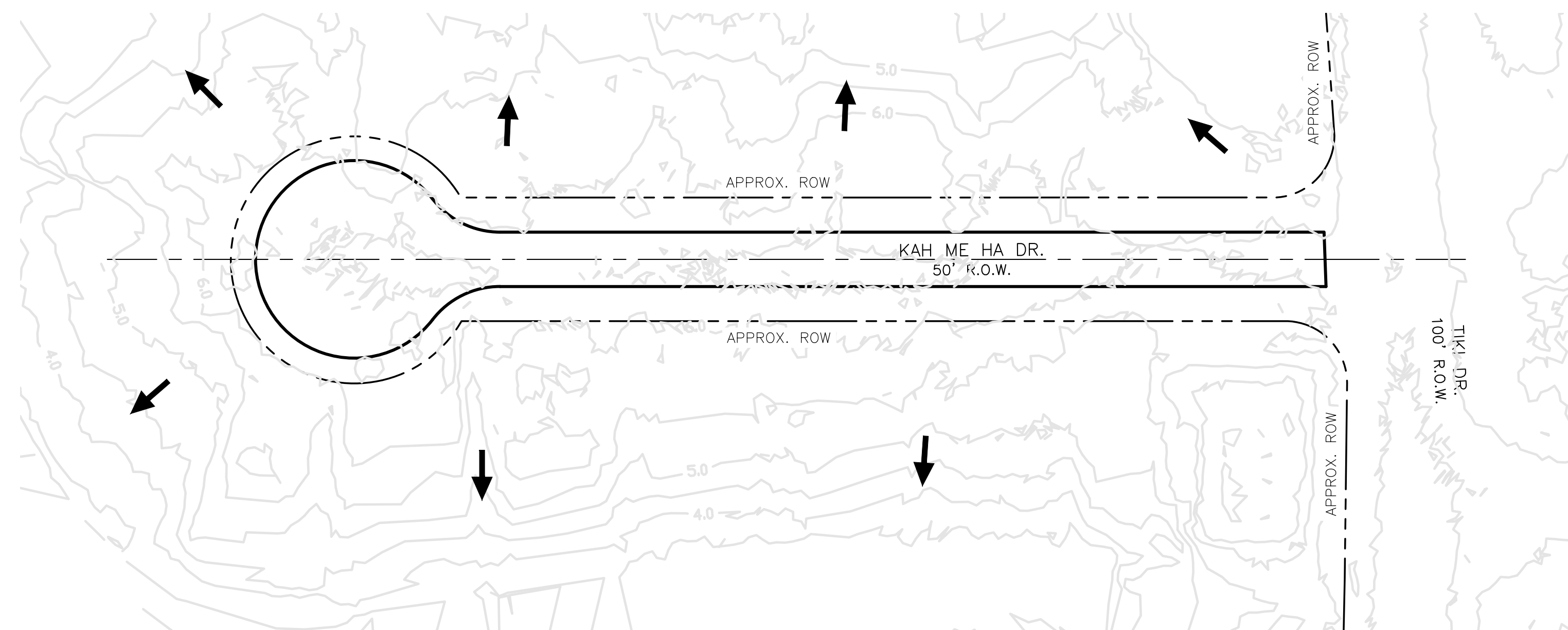
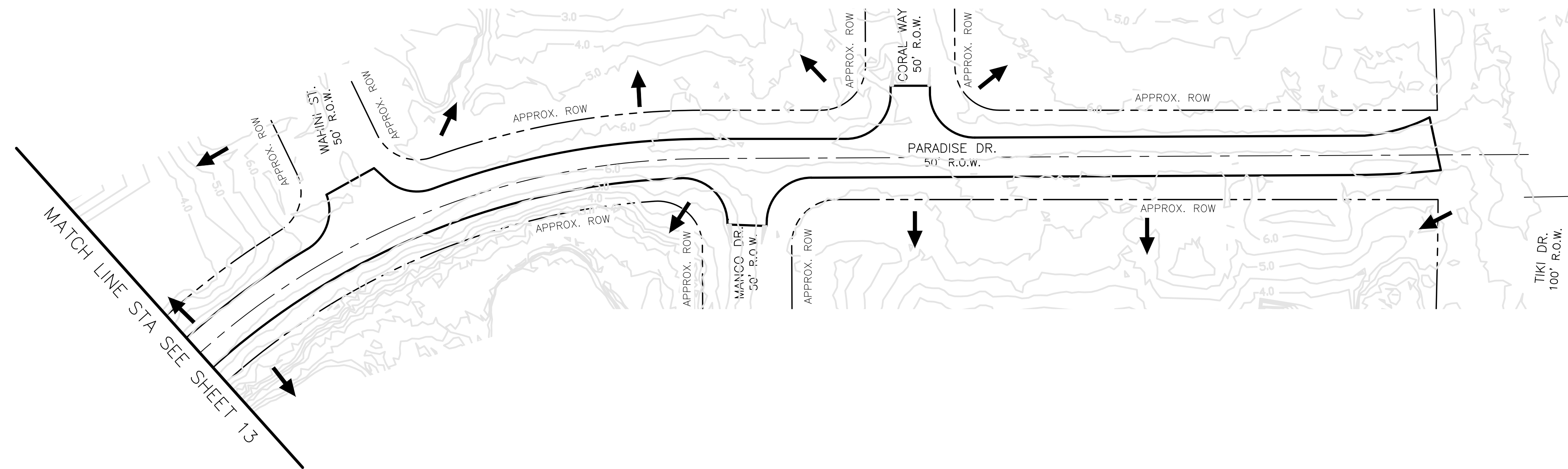
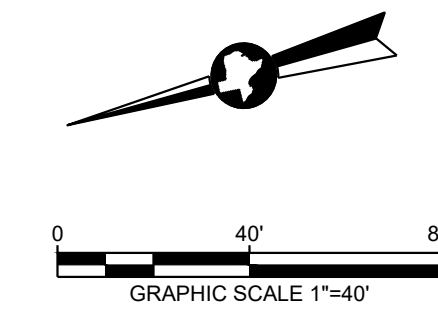
TIKI ISLAND  
DRAINAGE AREA MAP  
SHEET 3 OF 5

SHEET 13  
OF 55

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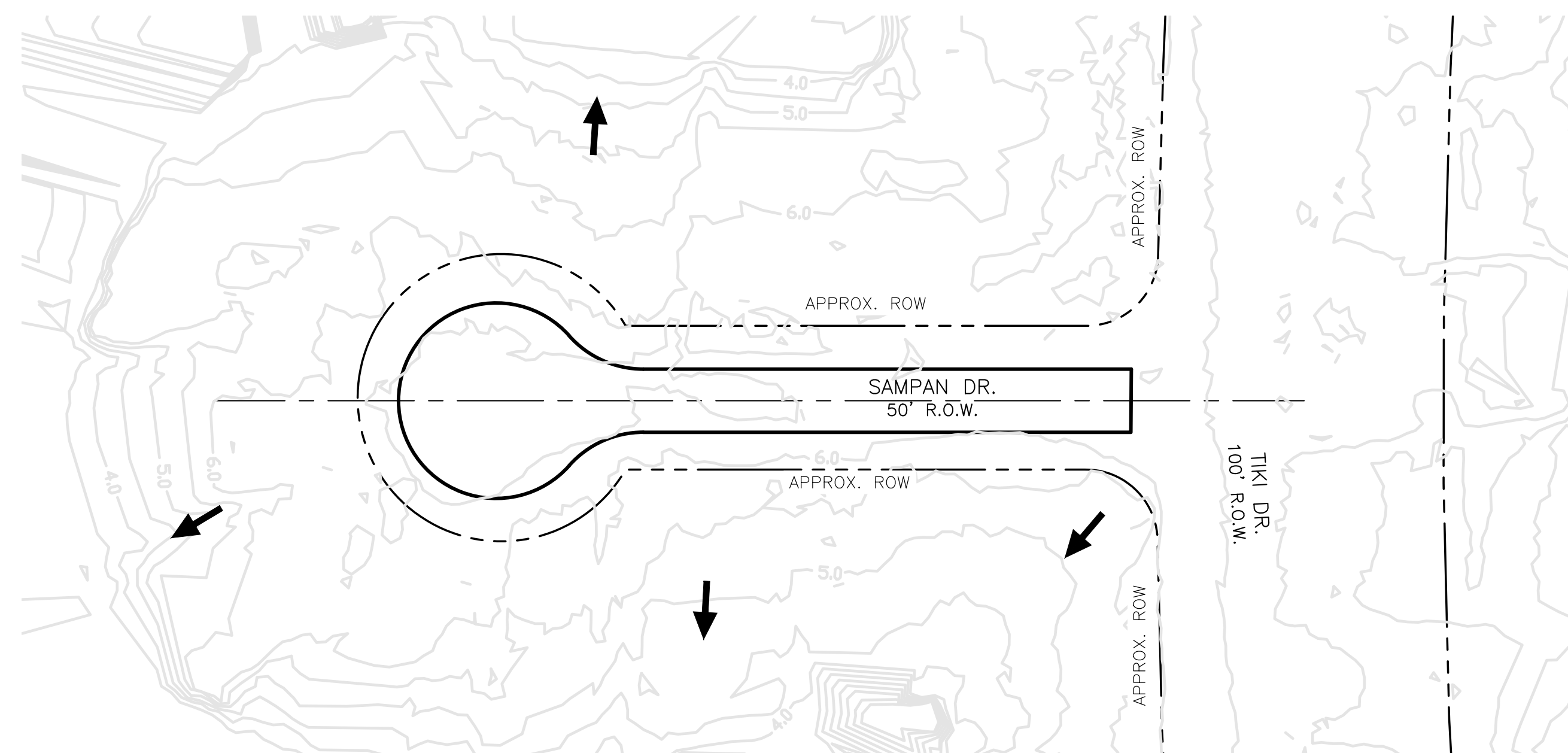
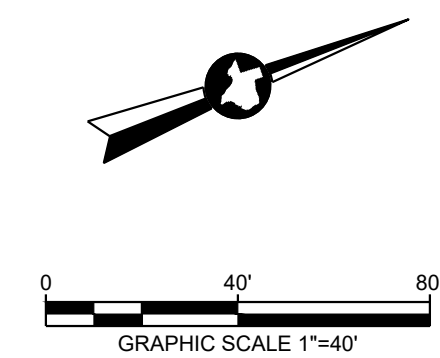
TIKI ISLAND  
 DRAINAGE AREA MAP  
 SHEET 4 OF 5

SHEET 14  
 OF 55

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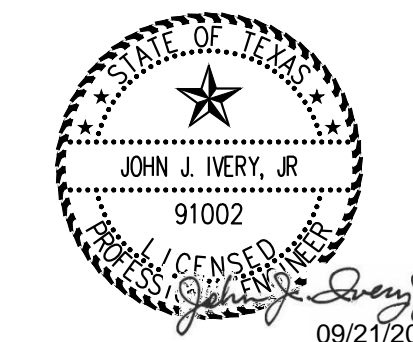
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CHECKED BY:           C.B.            
APPROVED BY:           J.I.            
SCALE:           N/A            
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GALVESTON COUNTY  
ENGINEERING DEPARTMENT

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SINCE 1936

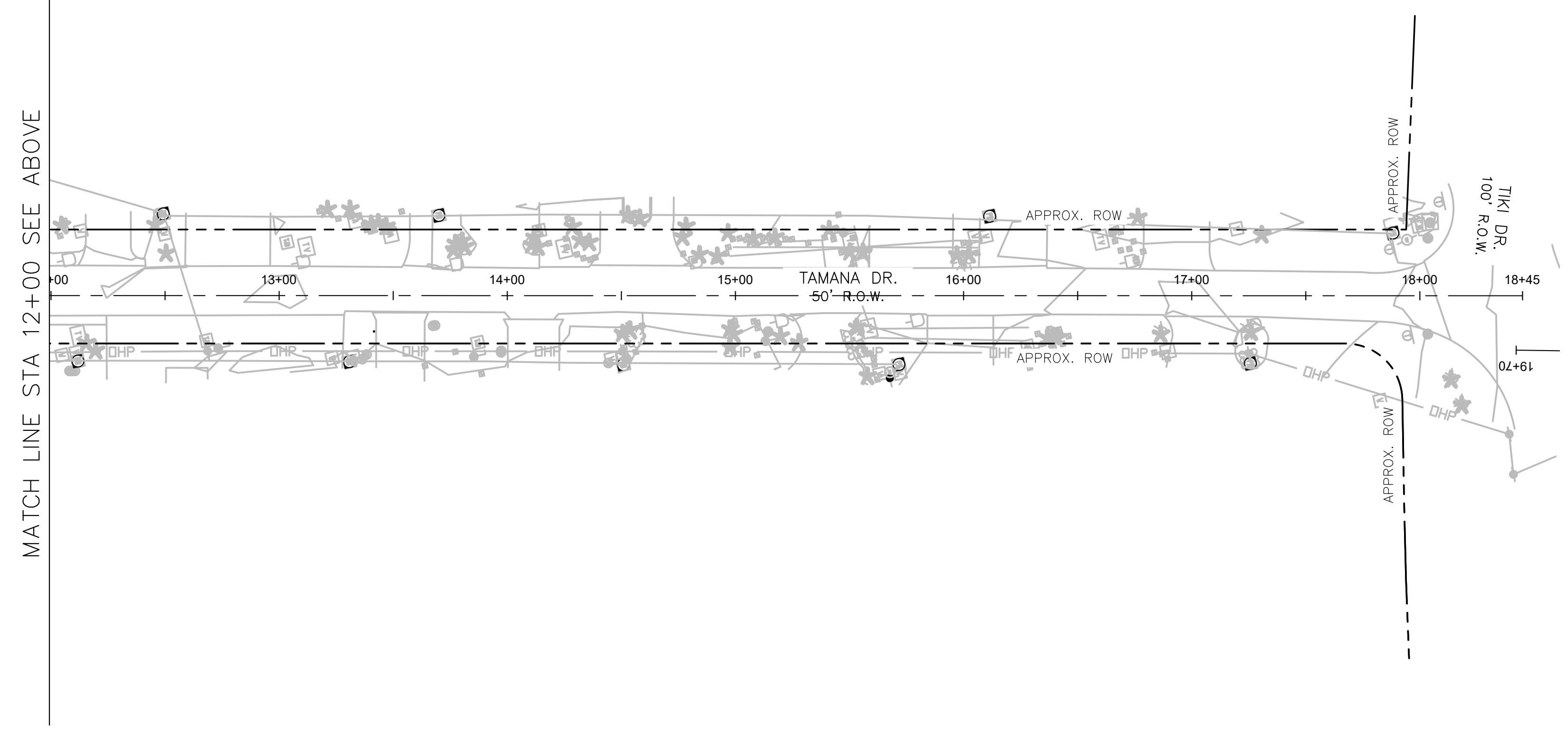
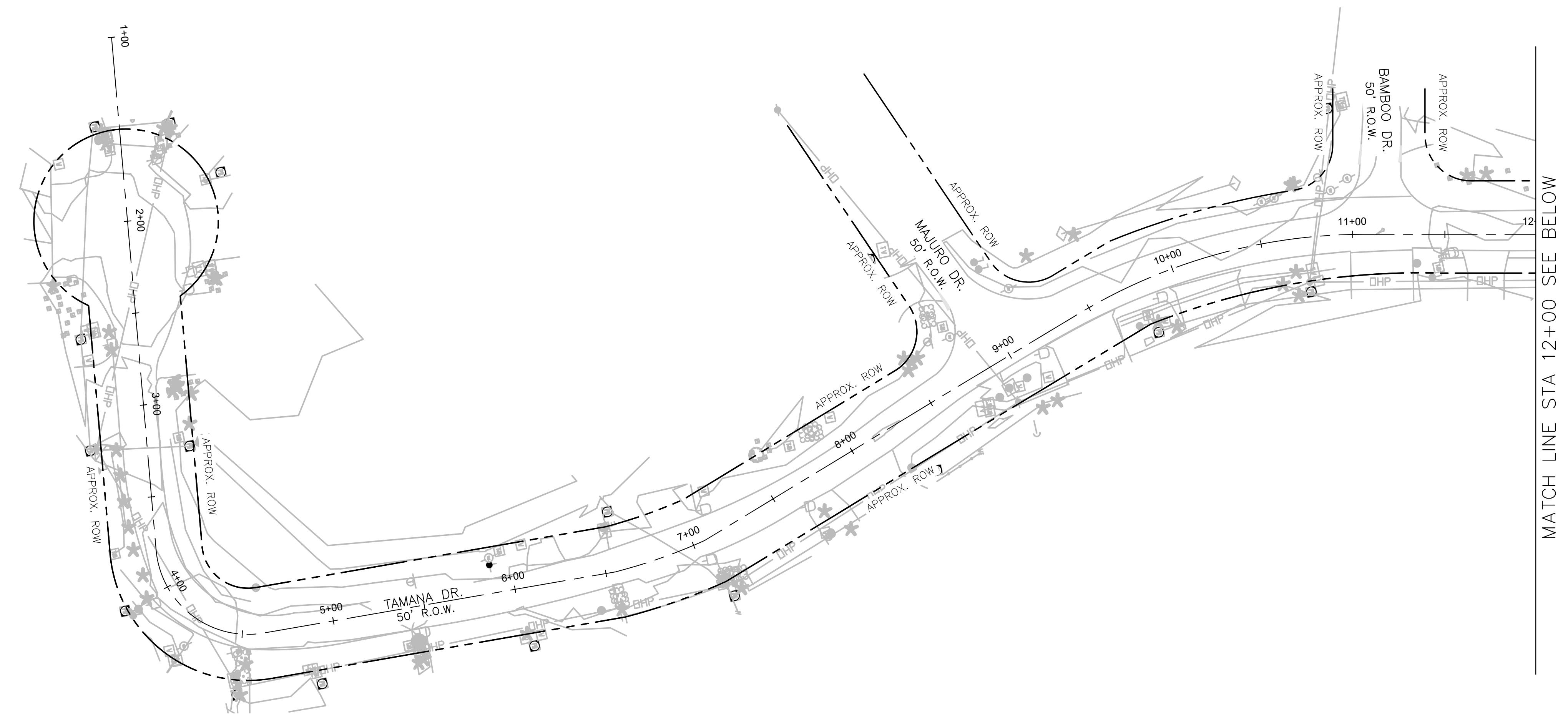
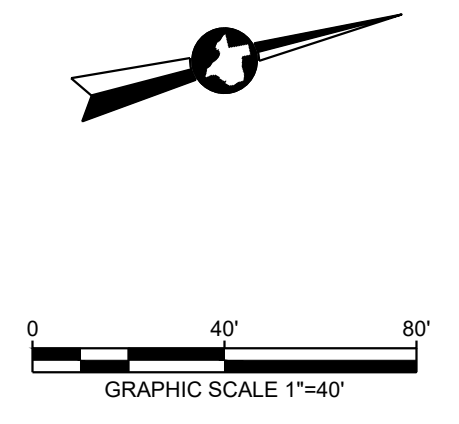
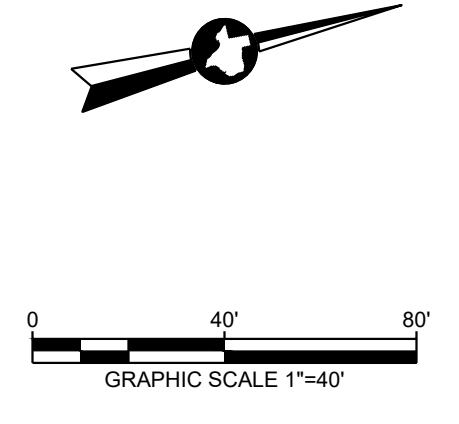
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TIKI ISLAND  
DRAINAGE AREA MAP  
SHEET 5 OF 5

SHEET  
**15**  
OF  
**55**

BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO.  
 D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



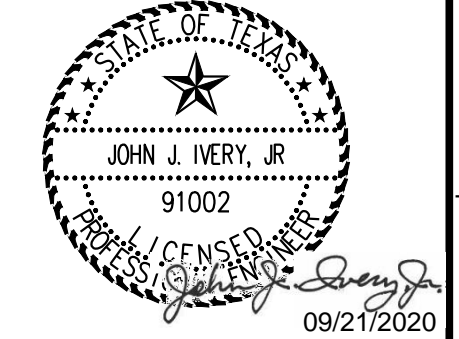
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 DESIGNED BY:           J.I.            
 CHECKED BY:           C.B.            
 APPROVED BY:           J.I.            
 SCALE:           N/A            
 DATE:           08/26/20          

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

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 10011 Meadowglen Lane  
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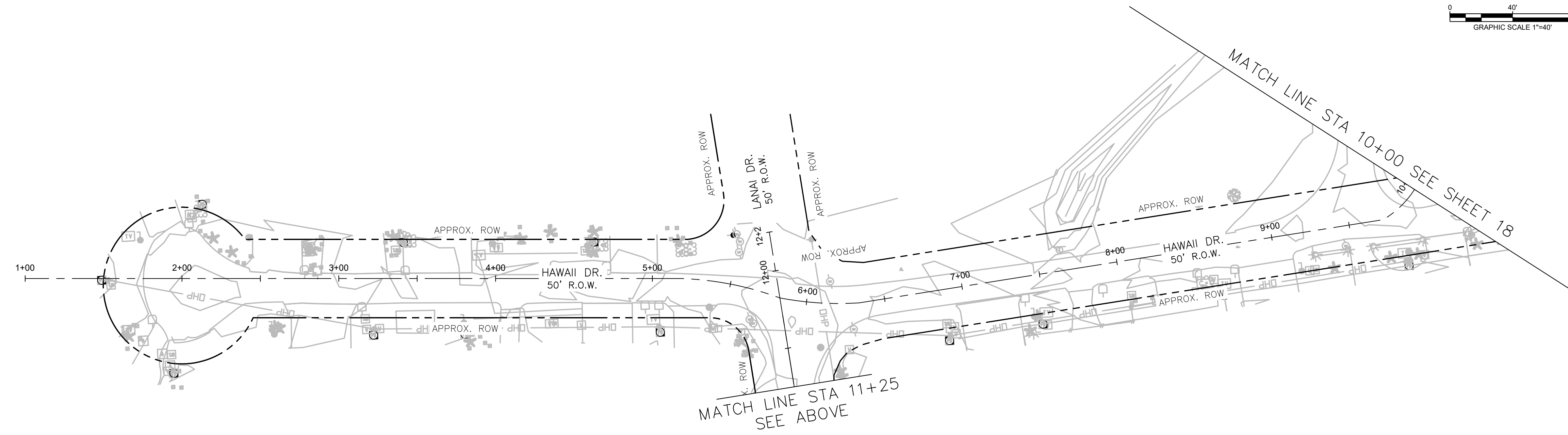
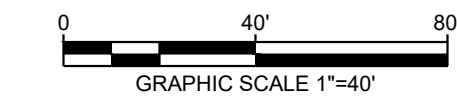
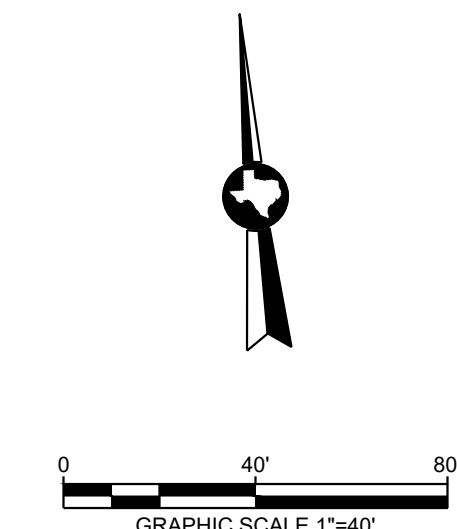
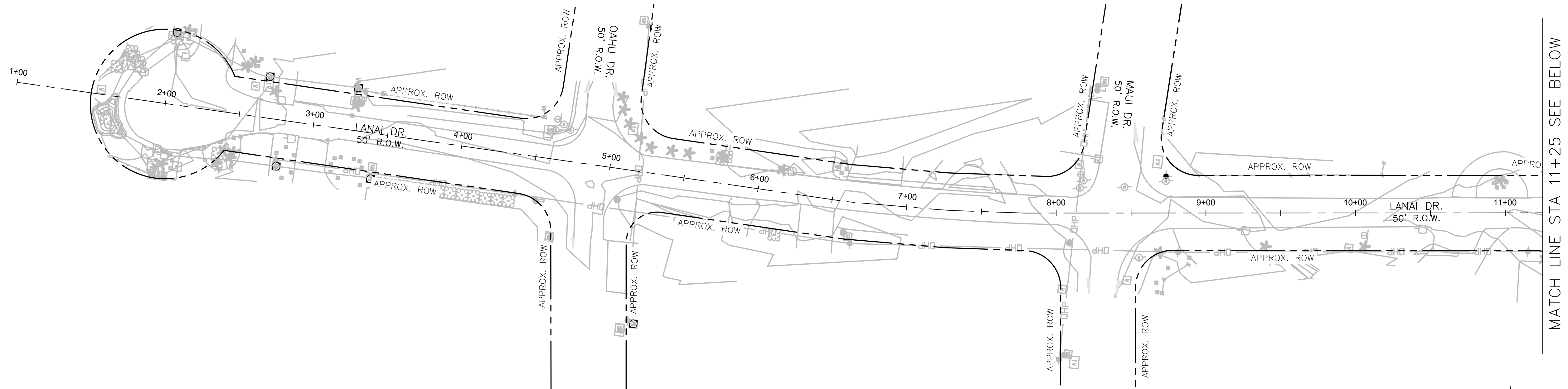
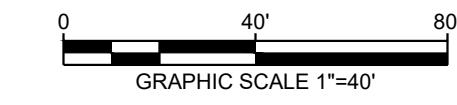
TIKI ISLAND  
 SURVEY CONTROL SHEET 1 OF 5

SHEET **16**  
 OF **55**

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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO.  
 D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



P-3997

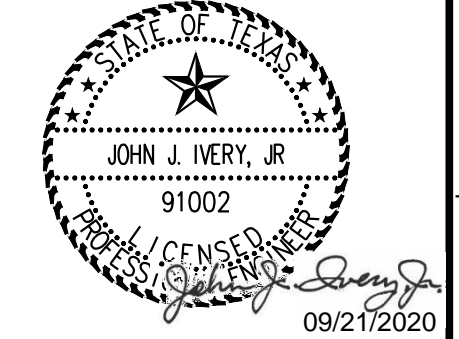
NO.	REVISIONS	DATE	NAME

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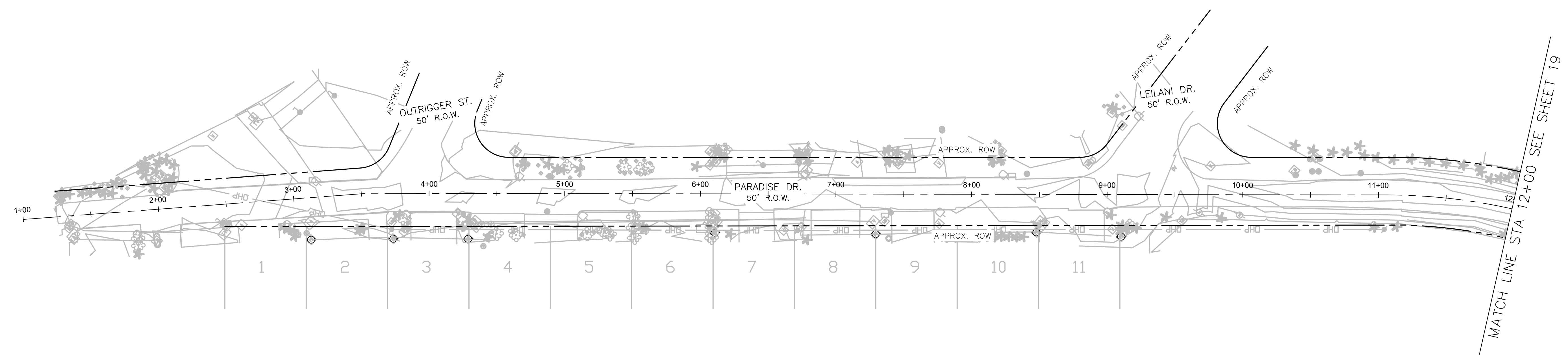
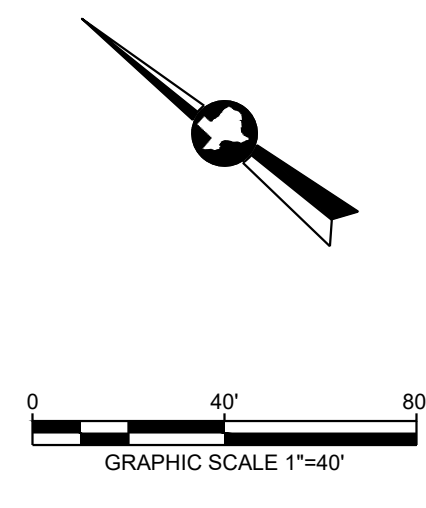
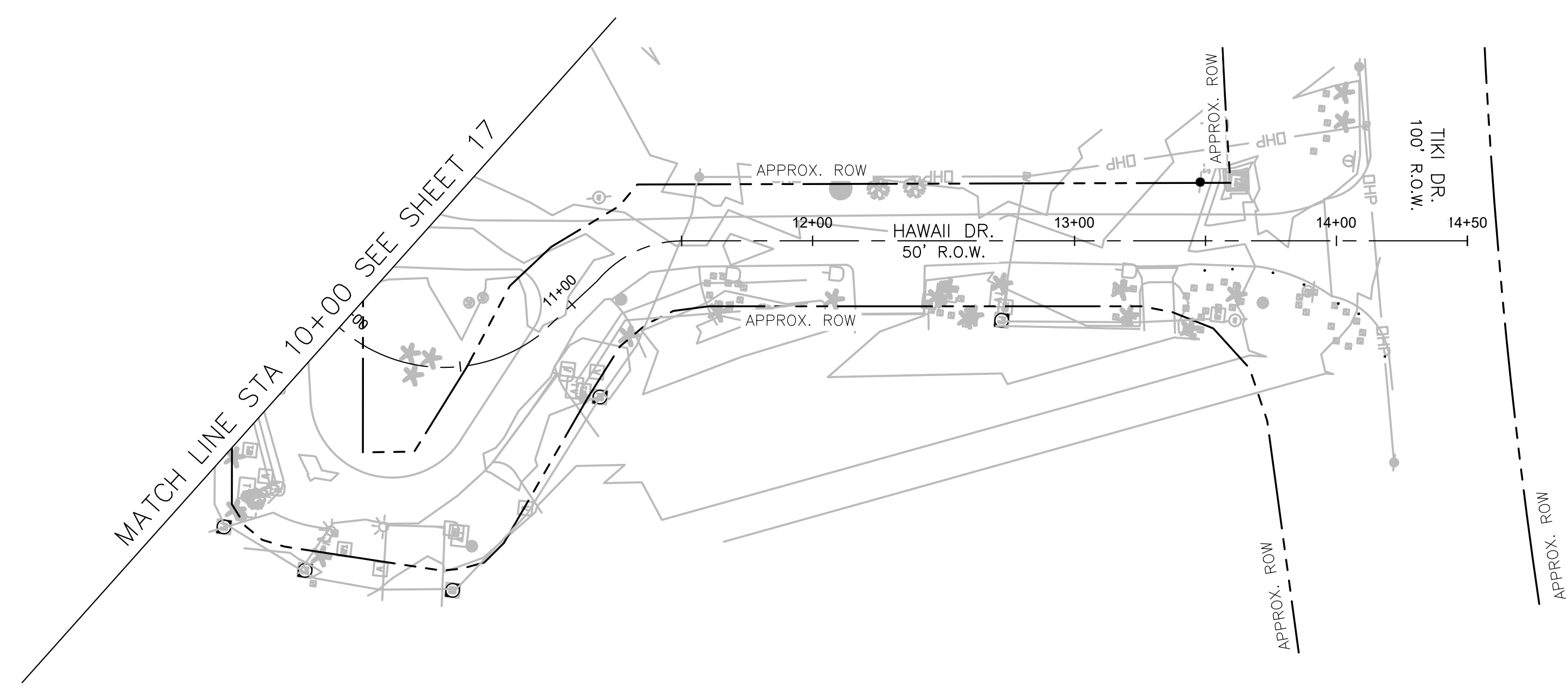
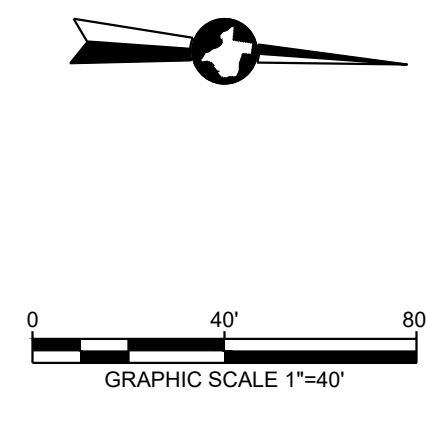


TIKI ISLAND  
 SURVEY CONTROL SHEET 2 OF 5

SHEET  
**17**  
 OF  
**55**

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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO.  
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 NAD 83, NAVD88, ELEVATION = 11.9'



P-3997

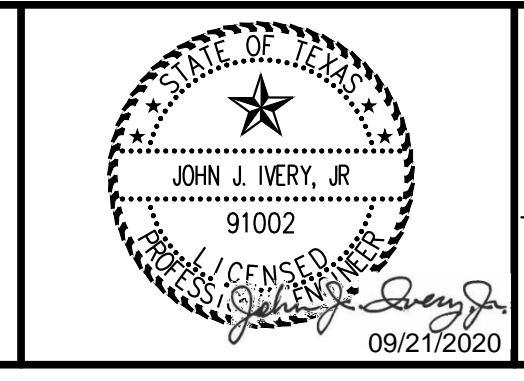
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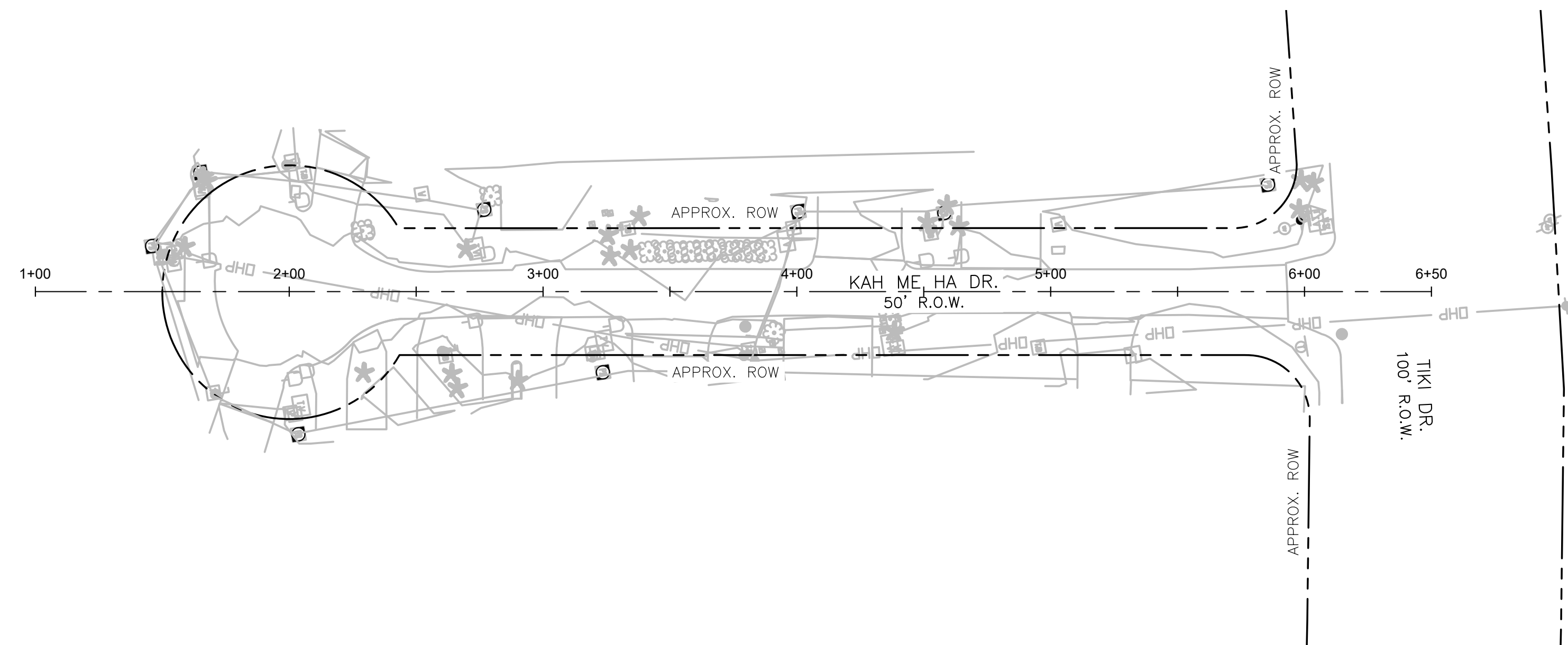
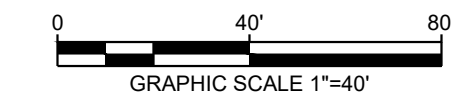
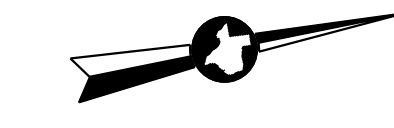
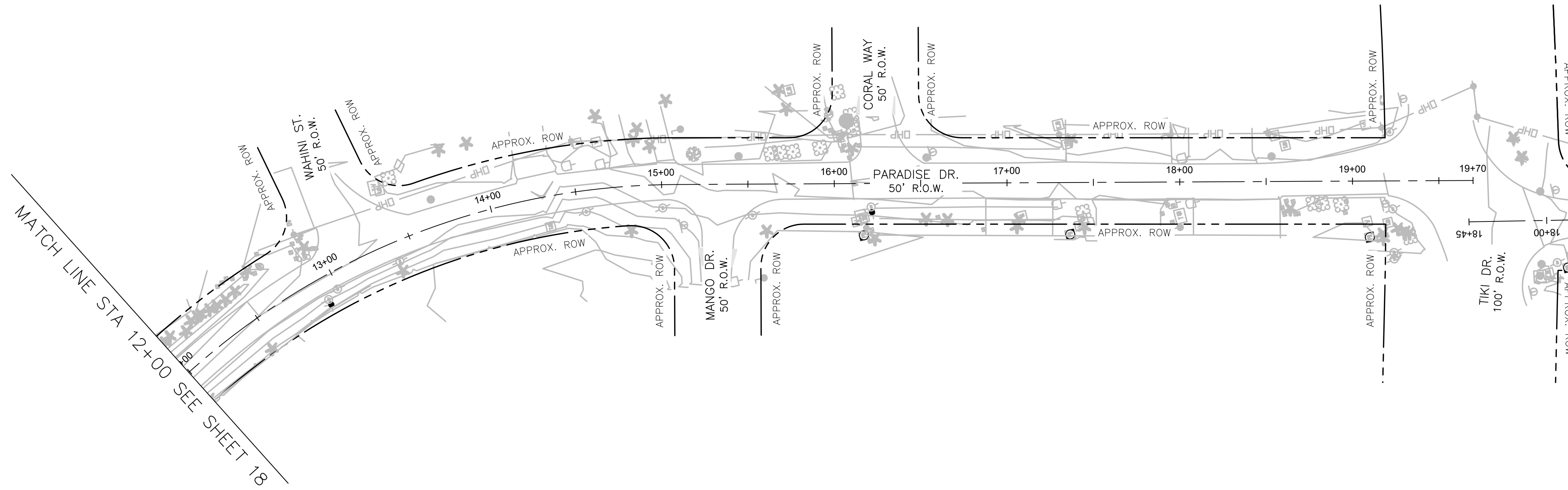
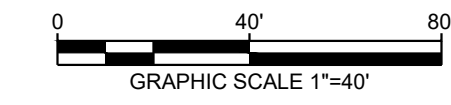
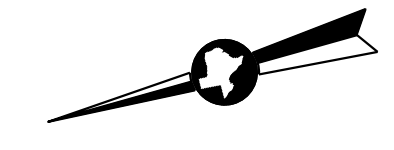
TIKI ISLAND

SURVEY CONTROL SHEET 3 OF 5

SHEET **18**  
 OF **55**

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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO.  
 D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



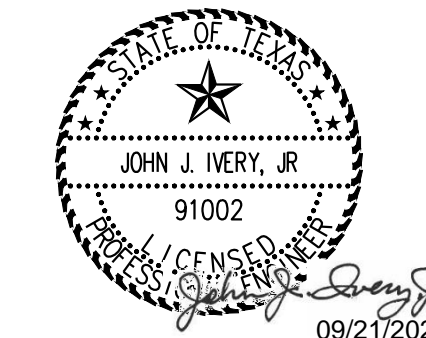
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY:           G.G.            
 DESIGNED BY:           J.I.            
 CHECKED BY:           C.B.            
 APPROVED BY:           J.I.            
 SCALE:           N/A            
 DATE:           08/26/20          

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

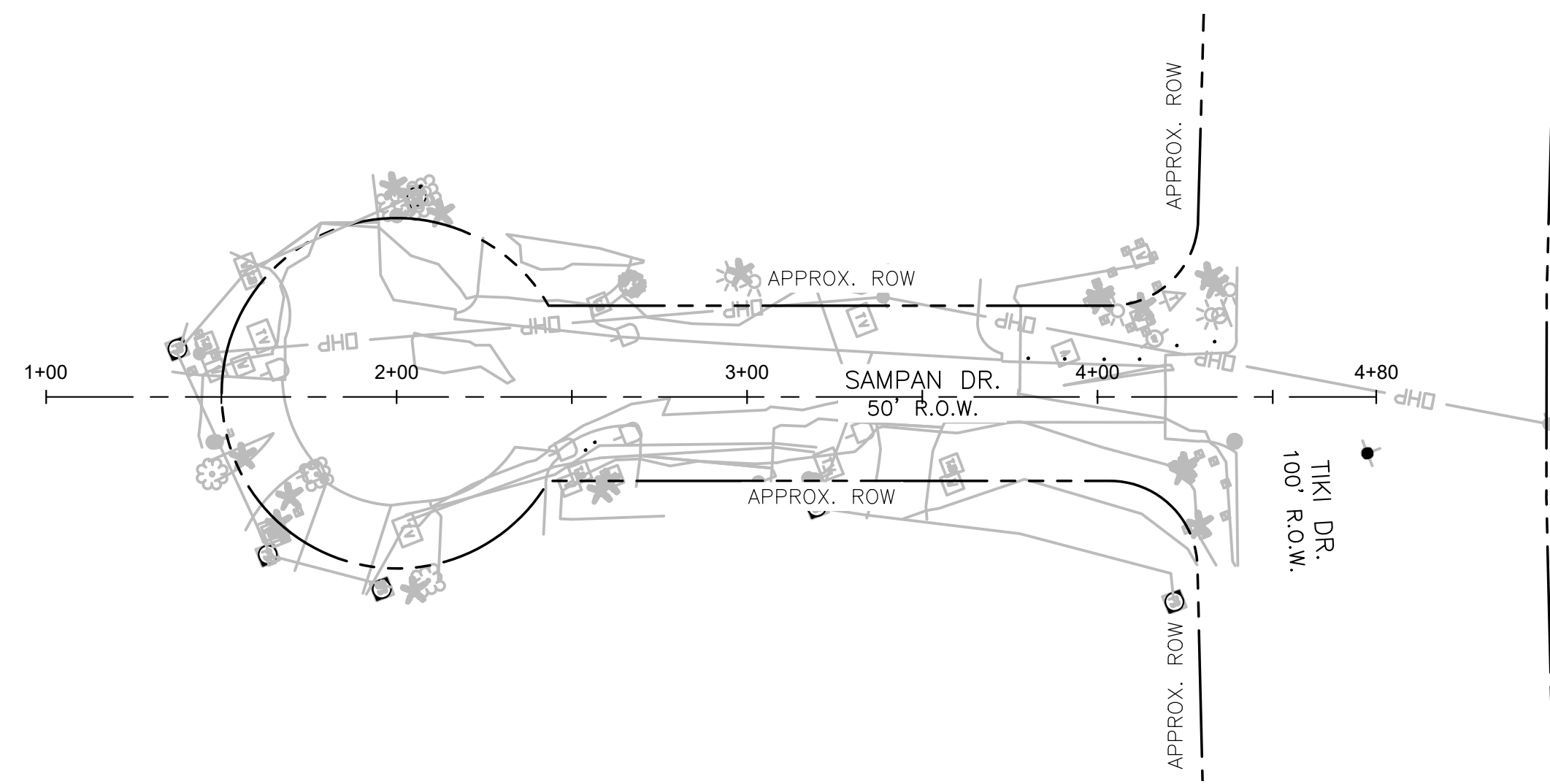
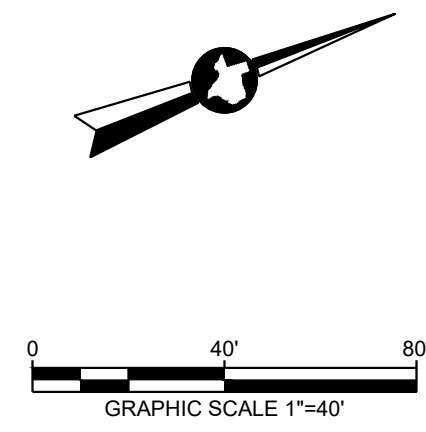
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TIKI ISLAND  
 SURVEY CONTROL SHEET 4 OF 5

SHEET  
**19**  
 OF  
**55**

BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO.  
 D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



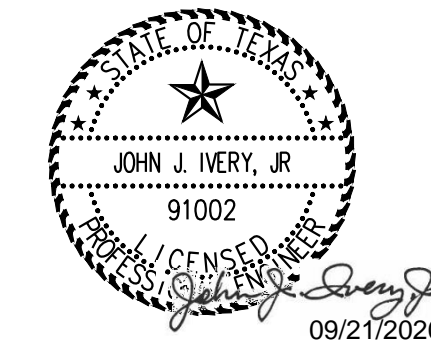
P-3997

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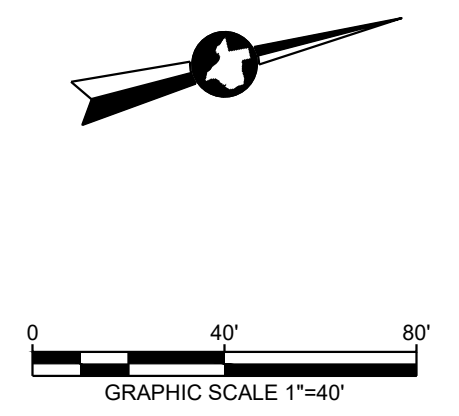
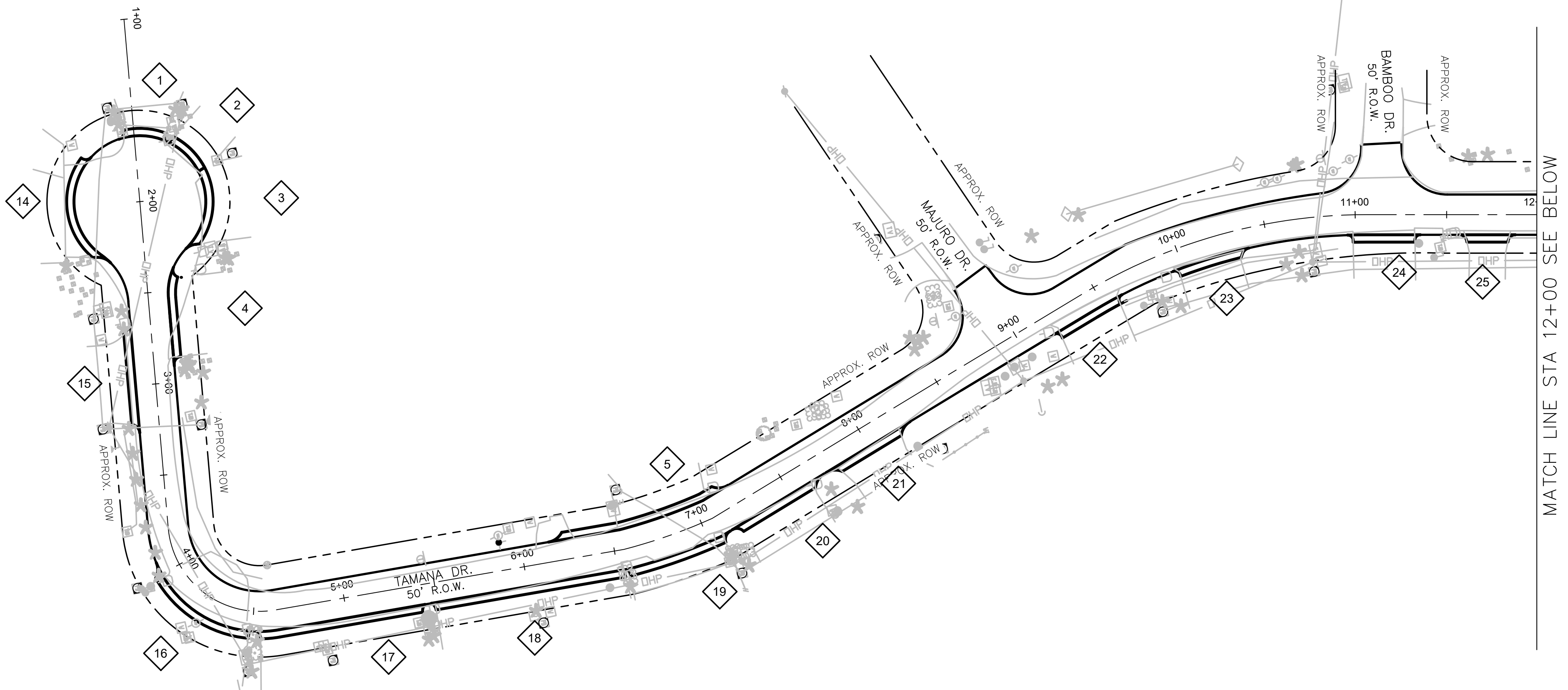


TIKI ISLAND  
 SURVEY CONTROL SHEET 5 OF 5

SHEET **20**  
 OF **55**

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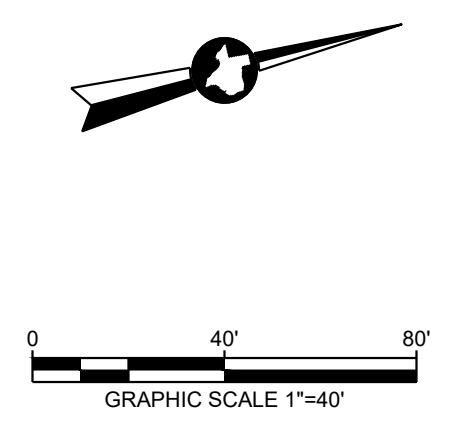
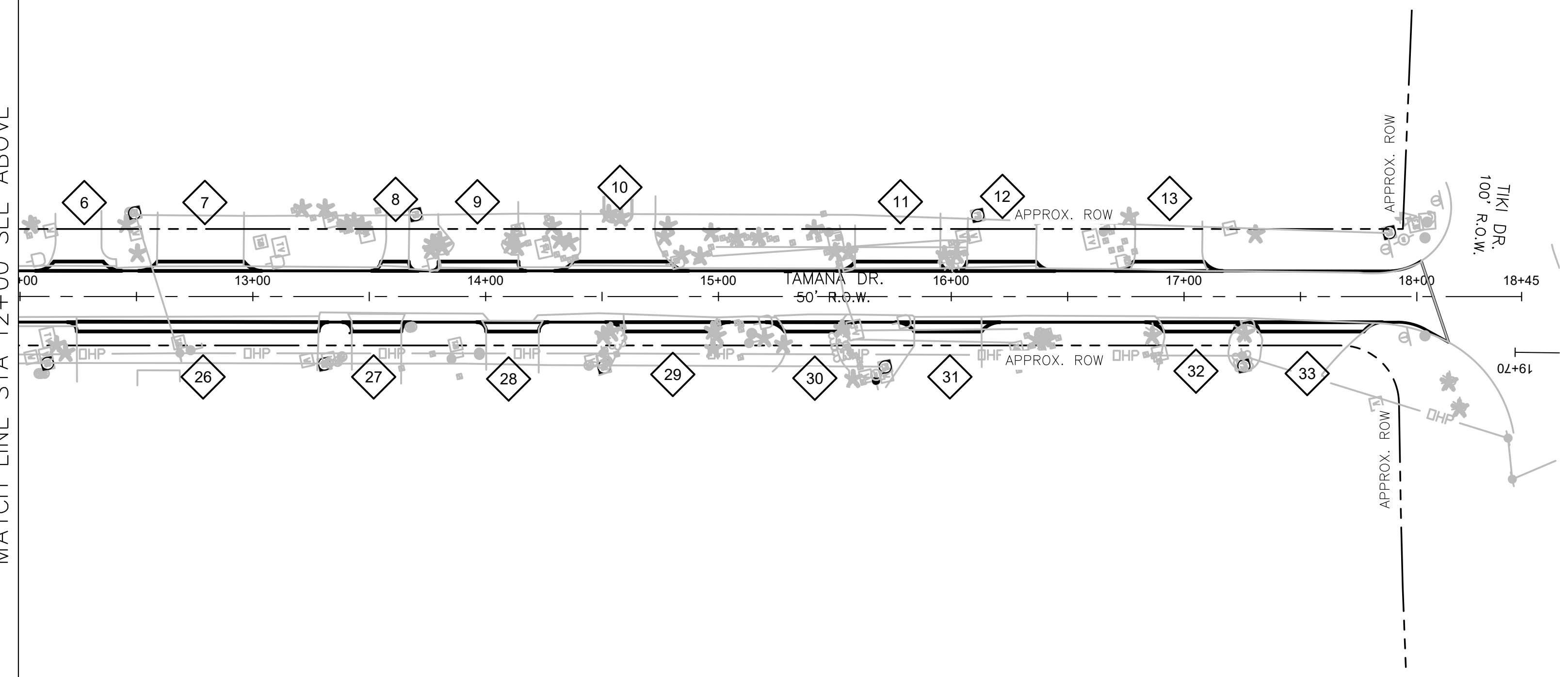


LEGEND

# DRIVEWAY NUMBER

NOTE: LIMIT DRIVEWAY RECONSTRUCTION TO 4' FROM ROADWAY.

MATCH LINE STA 12+00 SEE ABOVE



NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
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 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
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TIKI ISLAND  
 DRIVEWAY SHEET 1 OF 5

P-3997

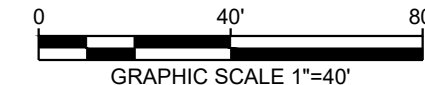
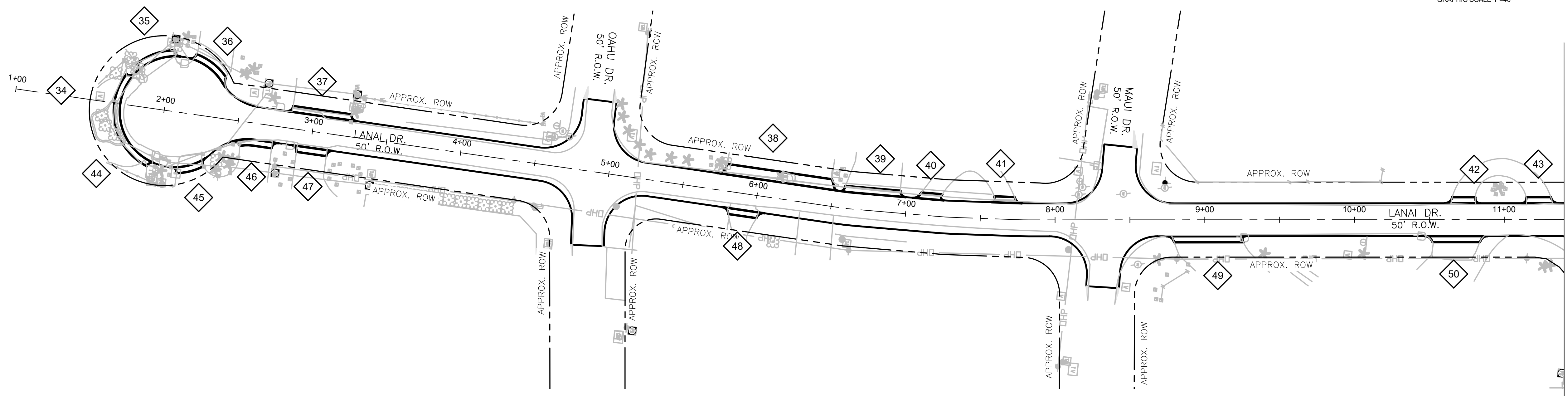
SHEET **21**  
 OF **55**



LEGEND  
# DRIVEWAY NUMBER

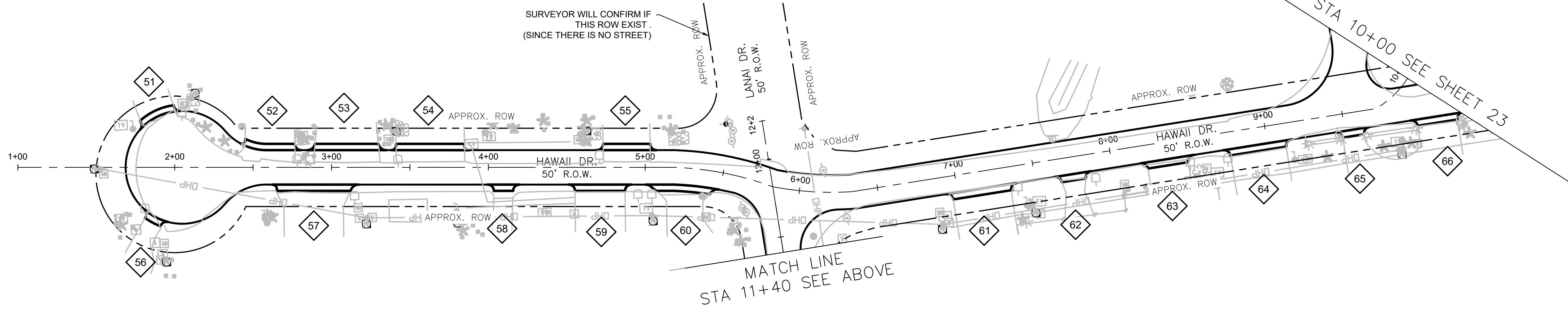
NOTE: LIMIT DRIVEWAY RECONSTRUCTION TO 4' FROM ROADWAY.

MATCH LINE STA 11+40 SEE BELOW



MATCH LINE STA 10+00 SEE SHEET 23

SURVEYOR WILL CONFIRM IF THIS ROW EXIST. (SINCE THERE IS NO STREET)



MATCH LINE STA 11+40 SEE ABOVE

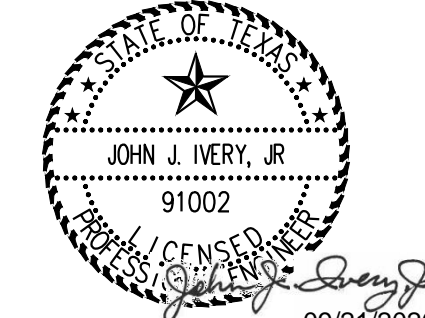
P-3997

NO.	REVISIONS	DATE	NAME

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GALVESTON COUNTY  
ENGINEERING DEPARTMENT

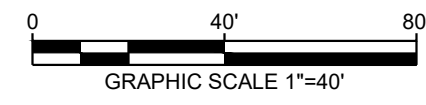
**EHRA**  
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Houston, Texas 77042  
EHRInc.com | 713.784.4500  
TBP# No. F-726 | TBP#L No. 10092300



TIKI ISLAND  
DRIVEWAY SHEET 2 OF 5

SHEET **22**  
OF **55**

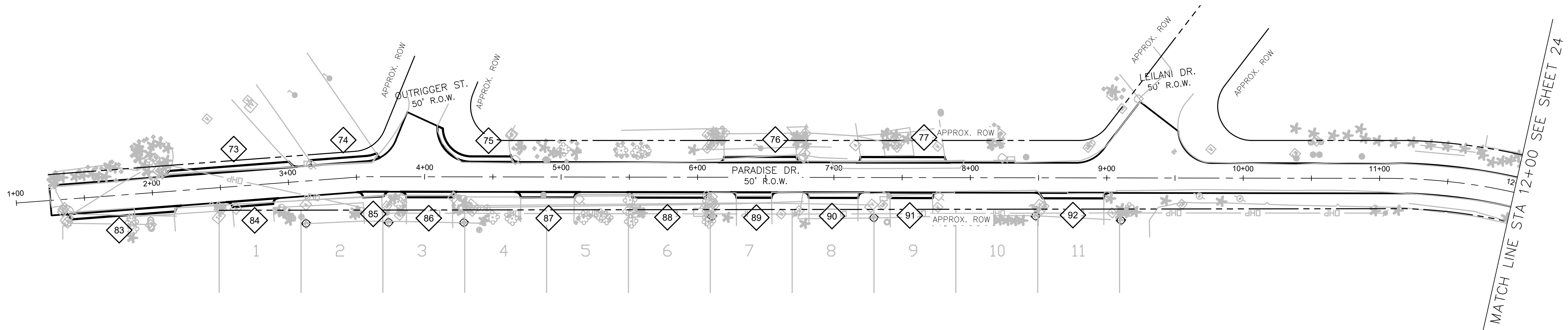
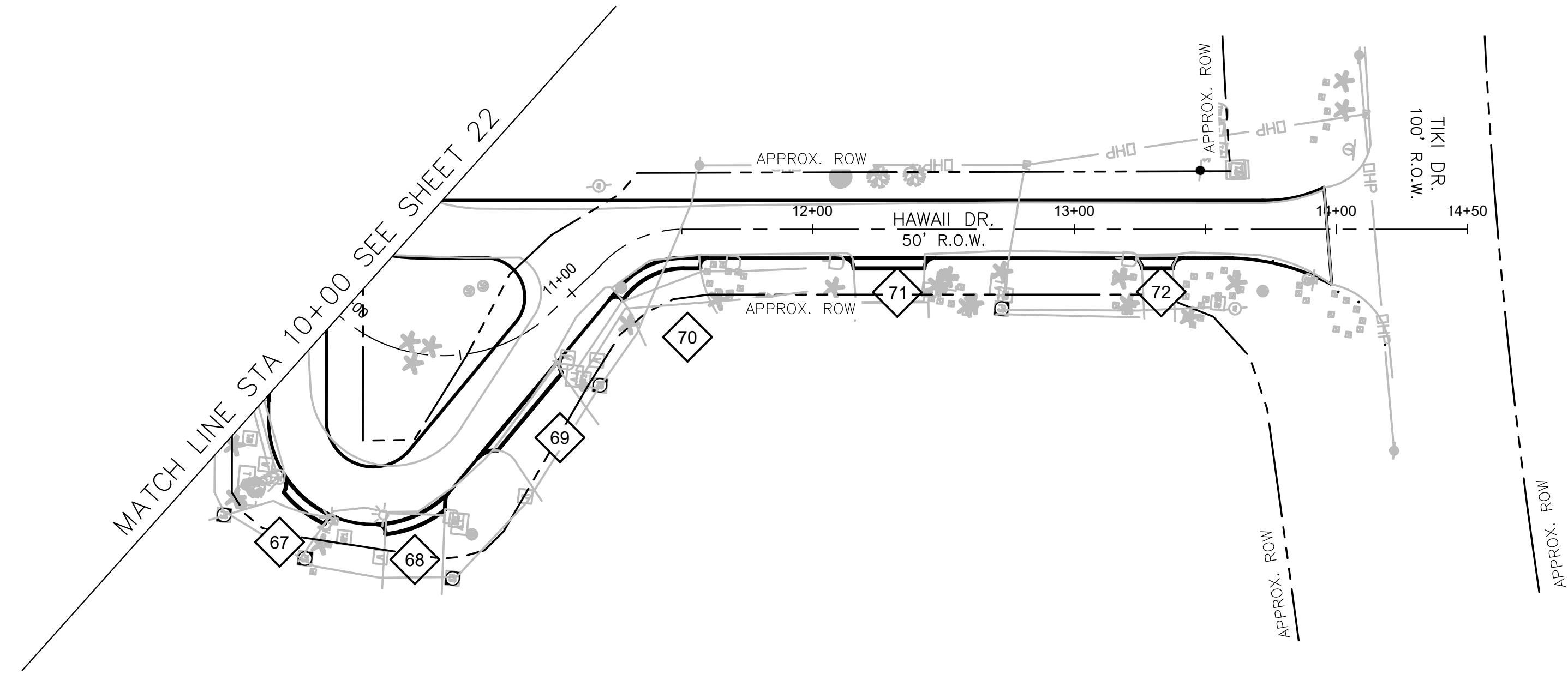
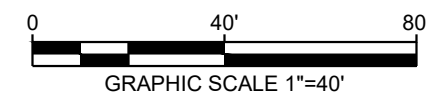
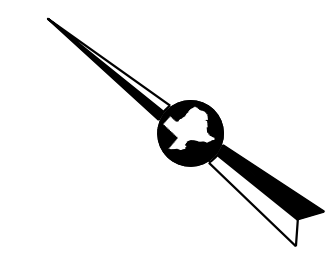
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LEGEND



NOTE: LIMIT DRIVEWAY RECONSTRUCTION TO 4' FROM ROADWAY.



P-3997

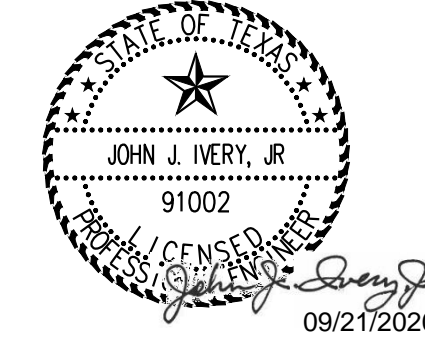
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GALVESTON COUNTY  
ENGINEERING DEPARTMENT

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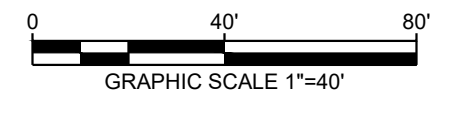
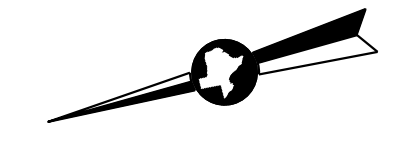
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TBP# No. F-726 | TBPL# No. 10092300



TIKI ISLAND  
DRIVEWAY SHEET 3 OF 5

SHEET **23**  
OF **55**

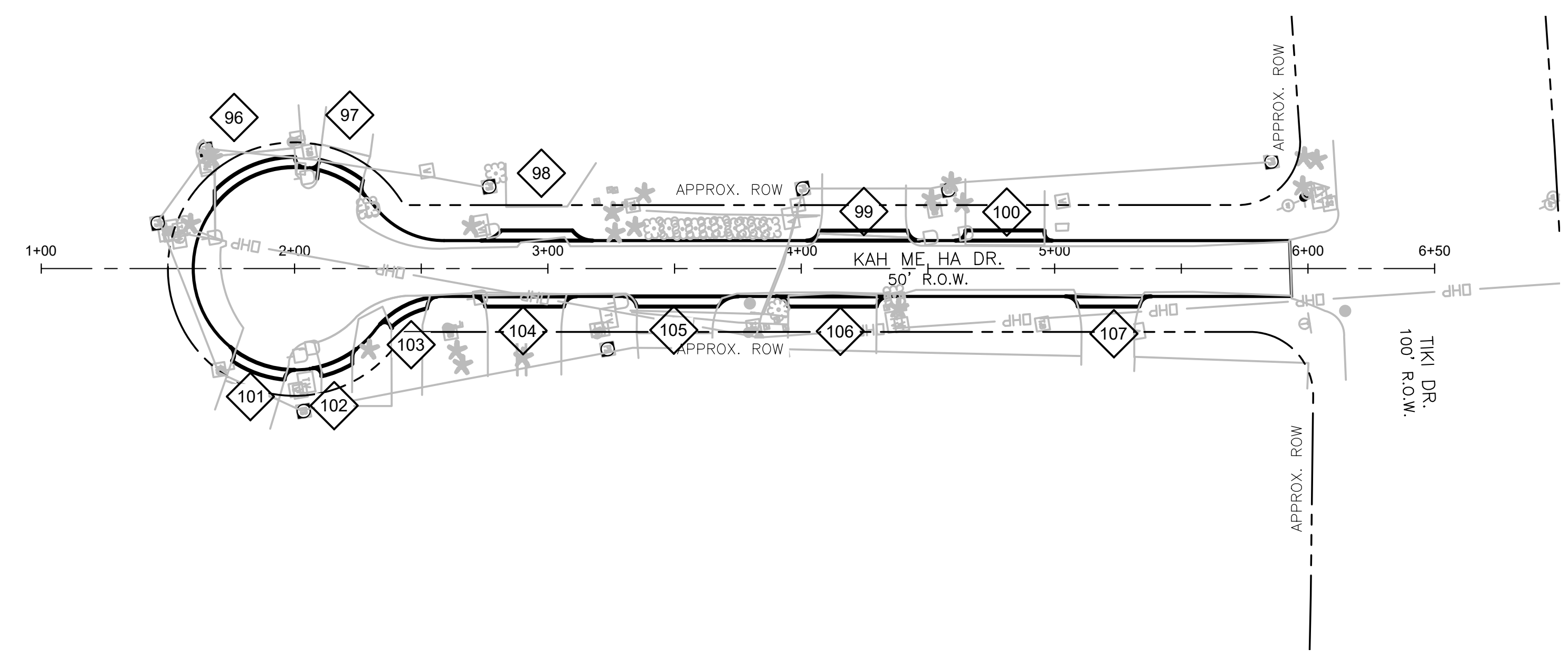
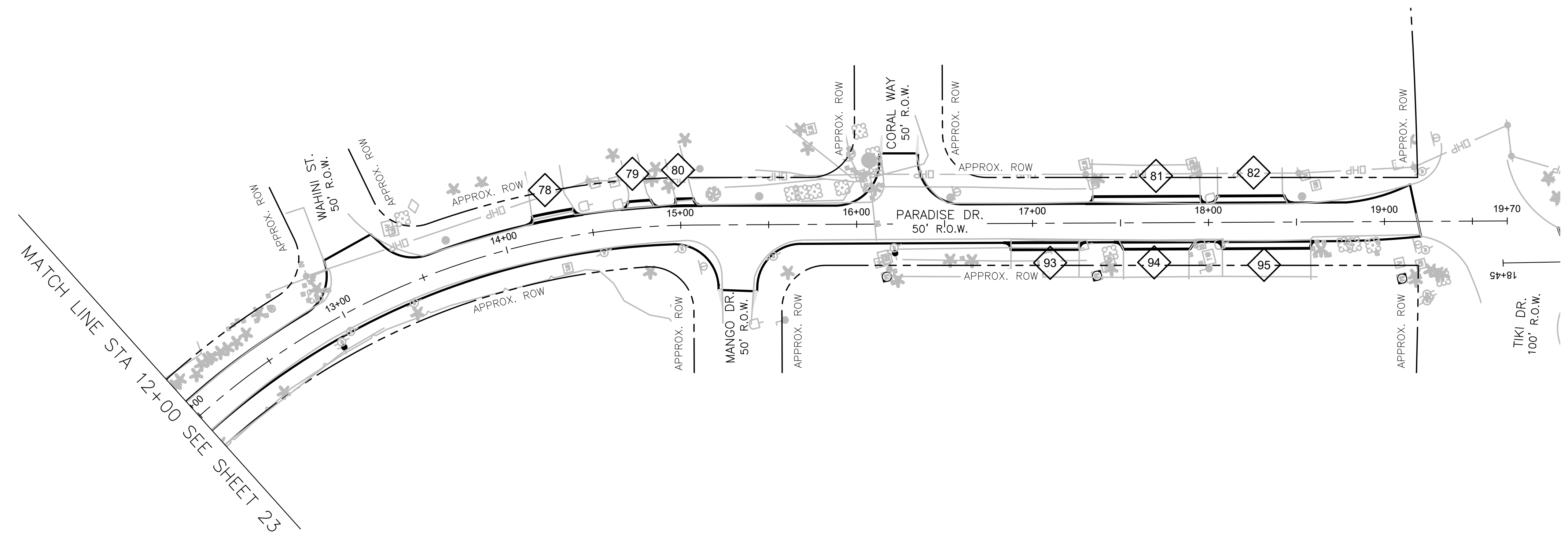
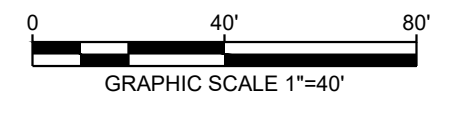
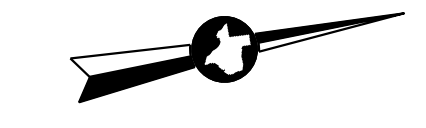
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LEGEND

# DRIVEWAY NUMBER

NOTE: LIMIT DRIVEWAY RECONSTRUCTION TO 4' FROM ROADWAY.



P-3997

NO.	REVISIONS	DATE	NAME

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ENGINEERING DEPARTMENT

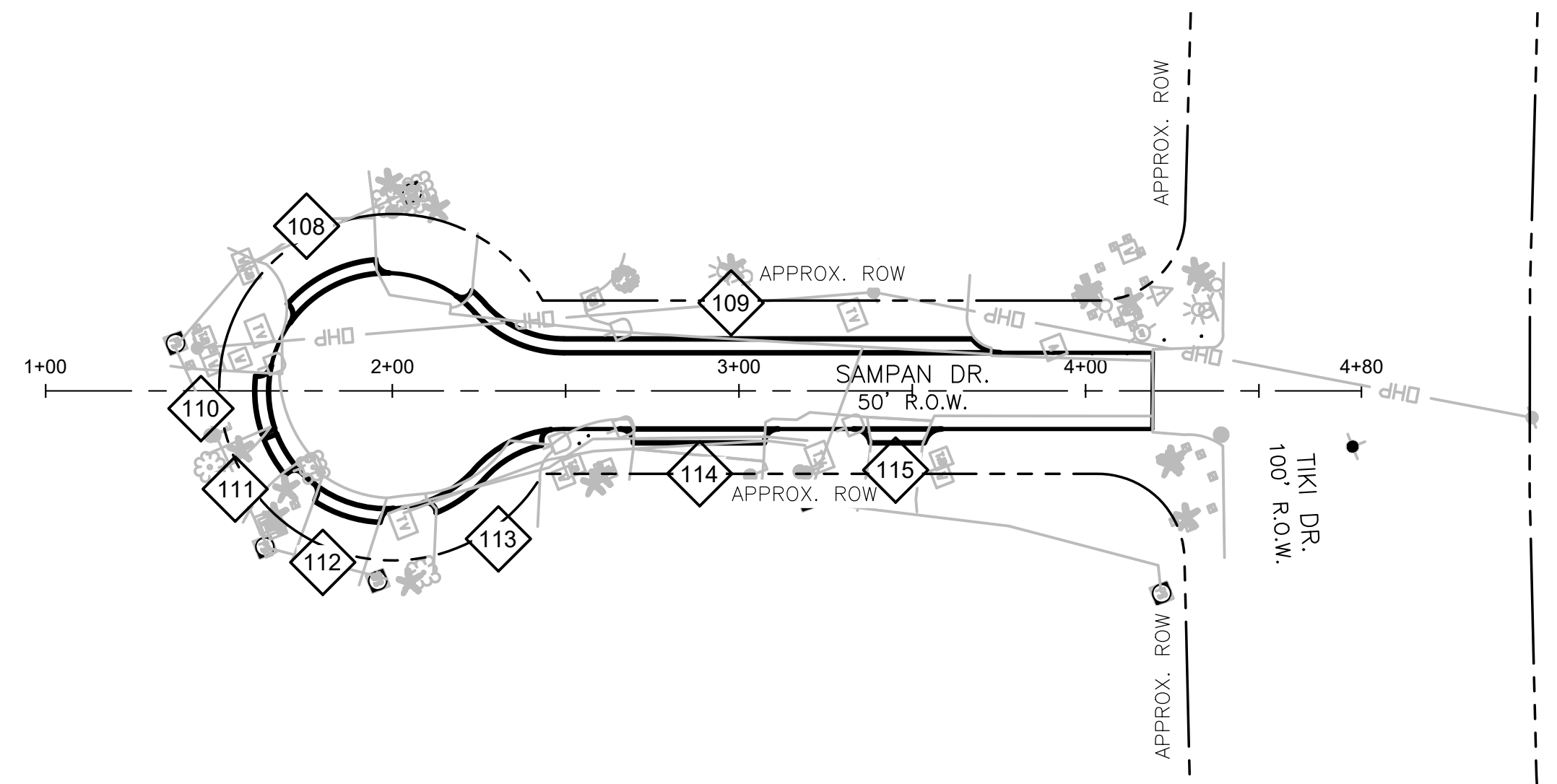
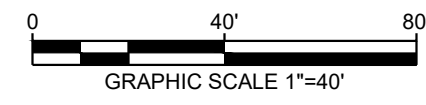
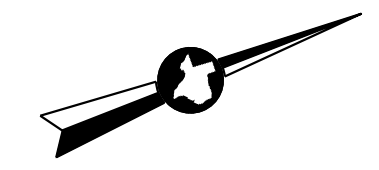
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TIKI ISLAND  
DRIVEWAY SHEET 4 OF 5

SHEET 24  
OF 55

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LEGEND

#  
DRIVEWAY NUMBER

NOTE: LIMIT DRIVEWAY RECONSTRUCTION TO 4' FROM ROADWAY.

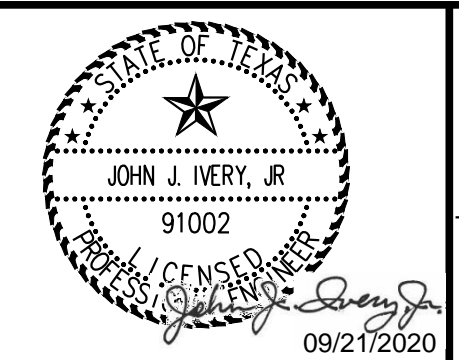
P-3997

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TIKI ISLAND

DRIVEWAY SHEET 5 OF 5

SHEET  
**25**  
OF  
**55**

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TAMANA DR DRIVEWAY SUMMARY												
DRIVEWAY	RESIDENTIAL/ COMMERCIAL	DRIVEWAY TYPE	DEPTH	DRIVEWAY AREA (SY)	DRIVEWAY CL STATION AT GUTTER	DRIVEWAY CL OFFSET AT GUTTER	GUTTER ELEVATION AT DRIVEWAY CL	EXIST WIDTH	NEW WIDTH	LEFT CURB RADIUS	RIGHT CURB RADIUS	LENGTH L1
1	RESIDENTIAL	CONCRETE	4	10	1+64.31	4.70L	5.82	26.24	26.24	4.00	2.00	6.11
2	RESIDENTIAL	CONCRETE	4	11	1+76.04	26.87L	5.34	26.17	26.17	2.00	0.00	5.66
3	RESIDENTIAL	CONCRETE	4	20	2+08.79	34.91L	5.68	45.34	45.34	0.00	10.00	8.18
4	RESIDENTIAL	CONCRETE	4	21	2+63.58	11.00L	5.99	46.52	46.52	4.00	4.00	6.48
5	RESIDENTIAL	CONCRETE	4	41	6+69.06	10.97L	5.62	86.00	86.00	10.00	10.00	9.27
6	RESIDENTIAL	CONCRETE	4	12	12+25.78	11.06L	5.61	21.08	21.08	10.00	10.00	9.27
7	RESIDENTIAL	CONCRETE	4	19	12+78.27	11.00L	5.94	37.20	37.20	10.00	10.00	8.90
8	RESIDENTIAL	CONCRETE	4	6	13+62.39	11.00L	5.98	10.57	11.88	4.00	4.00	6.28
9	RESIDENTIAL	CONCRETE	4	18	13+97.61	11.04L	5.87	34.35	34.38	3.00	3.00	4.73
10	RESIDENTIAL	CONCRETE	4	18	14+58.22	11.00L	5.77	35.25	41.52	10.00	10.00	8.13
11	RESIDENTIAL	CONCRETE	4	18	15+76.05	11.02L	5.66	36.64	36.64	10.00	5.00	6.64
12	RESIDENTIAL	CONCRETE	4	15	16+23.95	11.03L	5.56	29.68	29.68	5.00	10.00	9.24
13	RESIDENTIAL	CONCRETE	4	14	16+94.17	11.02L	5.29	28.91	30.20	10.00	10.00	6.29
14	RESIDENTIAL	CONCRETE	4	27	2+00.80	35.89R	6.18	31.53	31.53	10.00	4.00	10.79
15	RESIDENTIAL	CONCRETE	4	24	2+95.15	11.00R	6.23	49.37	49.37	5.00	5.00	6.85
16	RESIDENTIAL	CONCRETE	4	28	4+22.18	11.00R	6.20	31.06	31.06	2.00	10.00	8.27
17	RESIDENTIAL	CONCRETE	4	40	5+02.37	11.00R	6.00	89.72	89.72	5.00	5.00	4.64
18	RESIDENTIAL	CONCRETE	4	47	6+00.51	11.00R	6.00	105.18	105.18	5.00	5.00	4.63
19	RESIDENTIAL	CONCRETE	4	25	6+80.97	11.00R	5.60	55.28	55.28	5.00	5.00	7.26
20	RESIDENTIAL	CONCRETE	4	22	7+41.96	11.00R	5.80	45.96	45.96	10.00	5.00	9.27
21	RESIDENTIAL	CONCRETE	4	19	7+99.38	11.00R	5.84	37.81	37.81	10.00	10.00	9.27
22	RESIDENTIAL	CONCRETE	4	19	9+39.62	11.00R	5.76	36.81	36.81	10.00	10.00	9.27
23	RESIDENTIAL	CONCRETE	4	20	10+17.03	11.00R	5.68	34.08	34.08	5.00	5.00	6.90
24	RESIDENTIAL	CONCRETE	4	16	11+16.28	11.00R	5.88	33.69	33.69	5.00	5.00	6.93
25	RESIDENTIAL	CONCRETE	4	13	11+72.91	11.00R	5.93	24.50	24.50	10.00	10.00	9.27
26	RESIDENTIAL	CONCRETE	4	48	12+75.52	11.00R	5.90	104.06	103.87	4.00	4.00	9.27
27	RESIDENTIAL	CONCRETE	4	11	13+54.27	11.04R	5.82	21.33	21.33	4.00	4.00	9.27
28	RESIDENTIAL	CONCRETE	4	20	14+12.23	11.00R	5.81	22.64	22.64	4.00	4.00	10.98
29	RESIDENTIAL	CONCRETE	4	20	14+79.73	11.00R	5.63	39.25	37.34	10.00	10.00	9.27
30	RESIDENTIAL	CONCRETE	4	14	15+40.33	11.00R	5.55	26.29	22.75	10.00	10.00	9.27
31	RESIDENTIAL	CONCRETE	4	15	15+99.28	11.00R	5.64	28.85	28.85	10.00	10.00	9.27
32	RESIDENTIAL	CONCRETE	4	15	17+03.82	11.00R	5.56	29.61	30.03	5.00	10.00	9.27
33	RESIDENTIAL	CONCRETE	4	23	17+60.62	11.00R	5.33	47.80	45.18	10.00	4.00	7.82
				TOTAL AREA:	686							

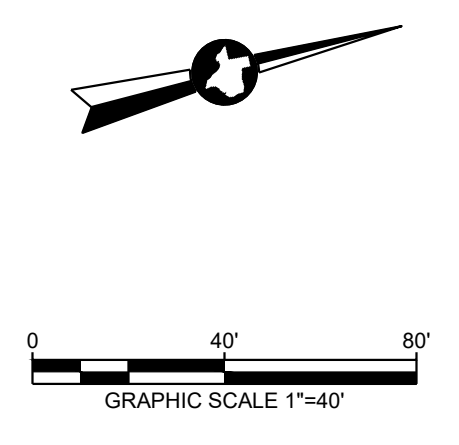
LANAI DR DRIVEWAY SUMMARY												
DRIVEWAY	RESIDENTIAL/ COMMERCIAL	DRIVEWAY TYPE	DEPTH	DRIVEWAY AREA (SY)	DRIVEWAY CL STATION AT GUTTER	DRIVEWAY CL OFFSET AT GUTTER	GUTTER ELEVATION AT DRIVEWAY CL	EXIST WIDTH	NEW WIDTH	LEFT CURB RADIUS	RIGHT CURB RADIUS	LENGTH L1
34 & 44	RESIDENTIAL	CONCRETE	4	31	1+72.69	12.90R	5.74	78.37	78.37	4.00	4.00	6.10
35	RESIDENTIAL	CONCRETE	4	12	1+90.27	32.81L	5.82	31.62	31.62	4.00	5.00	6.09
36	RESIDENTIAL	CONCRETE	4	13	2+25.07	32.49L	5.78	26.41	26.41	4.00	10.00	7.08
37	RESIDENTIAL	CONCRETE	4	18	3+04.63	11.00L	5.28	39.25	39.25	4.00	4.00	6.39
38	RESIDENTIAL	CONCRETE	4	57	6+12.39	11.00L	5.01	70.57	70.57	5.00	3.00	6.43
39	RESIDENTIAL	CONCRETE	4	17	676.92	11.00L	5.13	36.94	36.94	3.00	4.00	6.28
40	RESIDENTIAL	CONCRETE	4	7	7+14.34	11+00L	5.13	14.00	14.00	5.00	2.00	7.00
41	RESIDENTIAL	CONCRETE	4	7	7+66.26	11.00L	4.97	13.59	13.59	2.00	5.00	6.86
42	RESIDENTIAL	CONCRETE	4	8	10+72.00	11.00L	5.19	15.40	15.40	5.00	3.00	6.85
43	RESIDENTIAL	CONCRETE	4	8	11+23.89	11.00L	5.40	16.55	16.55	3.00	5.00	6.87
45	RESIDENTIAL	CONCRETE	4	9	2+21.64	34.14R	5.49	20.31	20.31	4.00	4.00	6.09
46	RESIDENTIAL	CONCRETE	4	11	2+63.06	11.00R	5.46	21.22	21.22	4.00	4.00	6.28
47	RESIDENTIAL	CONCRETE	4	10	3+01.41	11.00R	5.02	20.13	20.13	4.00	4.00	6.28
48	RESIDENTIAL	CONCRETE	4	10	5+92.30	11.00R	5.07	19.00	19.00	5.00	5.00	6.00
49	RESIDENTIAL	CONCRETE	4	21	9+00.82	11.00R	4.89	46.26	46.26	2.00	5.00	6.87
50	RESIDENTIAL	CONCRETE	4	15	10+67.88	11.00R	5.21	31.58	31.58	5.00	5.00	6.91
				TOTAL AREA:	252							
NOTE: DRIVEWAY 34 AND DRIVEWAY 44 ARE COMBINED												


KAH ME HA DRIVEWAY SUMMARY												
DRIVEWAY	RESIDENTIAL/ COMMERCIAL	DRIVEWAY TYPE	DEPTH	DRIVEWAY AREA (SY)	DRIVEWAY CL STATION AT GUTTER	DRIVEWAY CL OFFSET AT GUTTER	GUTTER ELEVATION AT DRIVEWAY CL	EXIST WIDTH	NEW WIDTH	LEFT CURB RADIUS	RIGHT CURB RADIUS	LENGTH L1
96	RESIDENTIAL	CONCRETE	4	16	1+83.62	35.06L	5.93	53.92	53.92	4.00	4.00	7.19
97	RESIDENTIAL	CONCRETE	4	9	2+17.58	35.93L	5.53	19.20	19.20	4.00	4.00	6.26
98	RESIDENTIAL	CONCRETE	4	9	2+95.61	11.00L	6.05	28.08	28.08	10.00	10.00	9.27
99	RESIDENTIAL	CONCRETE	4	16	4+23.68	11.00L	6.05	34.83	34.83	5.00	5.00	6.85
100	RESIDENTIAL	CONCRETE	4	53	4+79.91	11.00L	6.09	31.22	31.22	4.00	3.00	6.28
101	RESIDENTIAL	CONCRETE	4	10	1+86.56	37.67R	5.73	22.32	22.32	4.00	4.00	6.10
102	RESIDENTIAL	CONCRETE	4	6	2+16.19	36.58R	5.70	13.11	13.11	4.00	3.00	6.41
103	RESIDENTIAL	CONCRETE	4	8	2+43.77	14.54R	6.02	16.40	16.40	4.00	3.00	6.70
104	RESIDENTIAL	CONCRETE	4	15	2+90.80	11.00R	5.90	30.92	30.92	5.00	5.00	6.85
105	RESIDENTIAL	CONCRETE	4	16	3+52.60	11.00R	6.00	32.00	32.00	10.00	5.00	9.27
106	RESIDENTIAL	CONCRETE	4	17	4+12.33	11.00R	6.06	34.83	34.83	5.00	5.00	6.85
107	RESIDENTIAL	CONCRETE	4	12	5+21.24	11.00R	5.56	24.00	24.00	4.00	5.00	6.55
				TOTAL AREA:	188							

HAWAII DR DRIVEWAY SUMMARY												
DRIVEWAY	RESIDENTIAL/ COMMERCIAL	DRIVEWAY TYPE	DEPTH	DRIVEWAY AREA (SY)	DRIVEWAY CL STATION AT GUTTER	DRIVEWAY CL OFFSET AT GUTTER	GUTTER ELEVATION AT DRIVEWAY CL	EXIST WIDTH	NEW WIDTH	LEFT CURB RADIUS	RIGHT CURB RADIUS	LENGTH L1
51	RESIDENTIAL	CONCRETE	4	11	1+89.50	32.63L	4.94	23.39	23.39	4.00	4.00	6.17
52	RESIDENTIAL	CONCRETE	4	15	2+58.53	11.00L	5.12	31.48	31.48	2.00	4.00	6.13
53	RESIDENTIAL	CONCRETE	4	19	3+09.69	11.00L	4.89	40.41	40.41	5.00	5.00	7.02
54	RESIDENTIAL	CONCRETE	4	20	3+62.93	11.00L	4.84	43.59	43.59	3.00	3.00	4.79
55	RESIDENTIAL	CONCRETE	4	14	4+88.13	11.00L	5.08	30.00	30.00	4.00	4.00	6.37
56	RESIDENTIAL	CONCRETE	4	5	1+87.67	31.73R	5.15	12.54	12.54	4.00	4.00	6.13
57	RESIDENTIAL	CONCRETE	4	22	2+89.80	10.92R	5.14	46.23	46.23	5.00	3.00	6.89
58	RESIDENTIAL	CONCRETE	4	6	4+09.81	10.92R	4.82	12.21	12.21	4.00	4.00	6.28
59	RESIDENTIAL	CONCRETE	4	15	4+71.19	11.00R	5.02	31.90	31.90	4.00	4.00	6.28
60	RESIDENTIAL	CONCRETE	4	17	5+24.34	11.00R	5.29	31.09	31.09	5.00	5.00	7.25
61	RESIDENTIAL	CONCRETE	4	17	7+15.23	11.00R	5.71	37.39	37.39	4.00	4.00	6.28
62	RESIDENTIAL	CONCRETE	4	8	7+74.38	11.00R	5.38	15.42	15.42	4.00	4.00	5.45
63	RESIDENTIAL	CONCRETE	4	12	8+35.18	11.00R	5.54	25.95	25.95	4.00	4.00	6.28
64	RESIDENTIAL	CONCRETE	4	17	8+93.44	11.00R	5.78	25.73	25.73	4.00	4.00	6.28
65	RESIDENTIAL	CONCRETE	4	7	9+54.87	11.00R	5.69	13.76	13.76	4.00	4.00	6.30
66	RESIDENTIAL	CONCRETE	4	15	9+92.96	29.64R	5.83	25.73	25.73	4.00	4.00	6.28
67	RESIDENTIAL	CONCRETE	4	9	10+18.19	66.69R	5.83	21.54	21.54	4.00	7.00	7.42
68	RESIDENTIAL	CONCRETE	4	12	10+38.44	61.52R	5.71	24.47	24.47	4.00	3.00	6.86
69	RESIDENTIAL	CONCRETE	4	19	10+65.37	24.29R	5.37	38.41	38.41	5.00	9.00	7.69
70	RESIDENTIAL	CONCRETE	4	16	11+34.85	11.00R	5.82	32.18	32.18	3.00	3.00	5.43
71	RESIDENTIAL	CONCRETE	4	13	12+29.16	11.00R	5.76	27.05	27.05	4.00	4.00	4.42
72	RESIDENTIAL	CONCRETE	4	54	13+31.64	11.00R	5.64	11.86	11.86	4.00	4.00	4.15
				TOTAL AREA:	343							

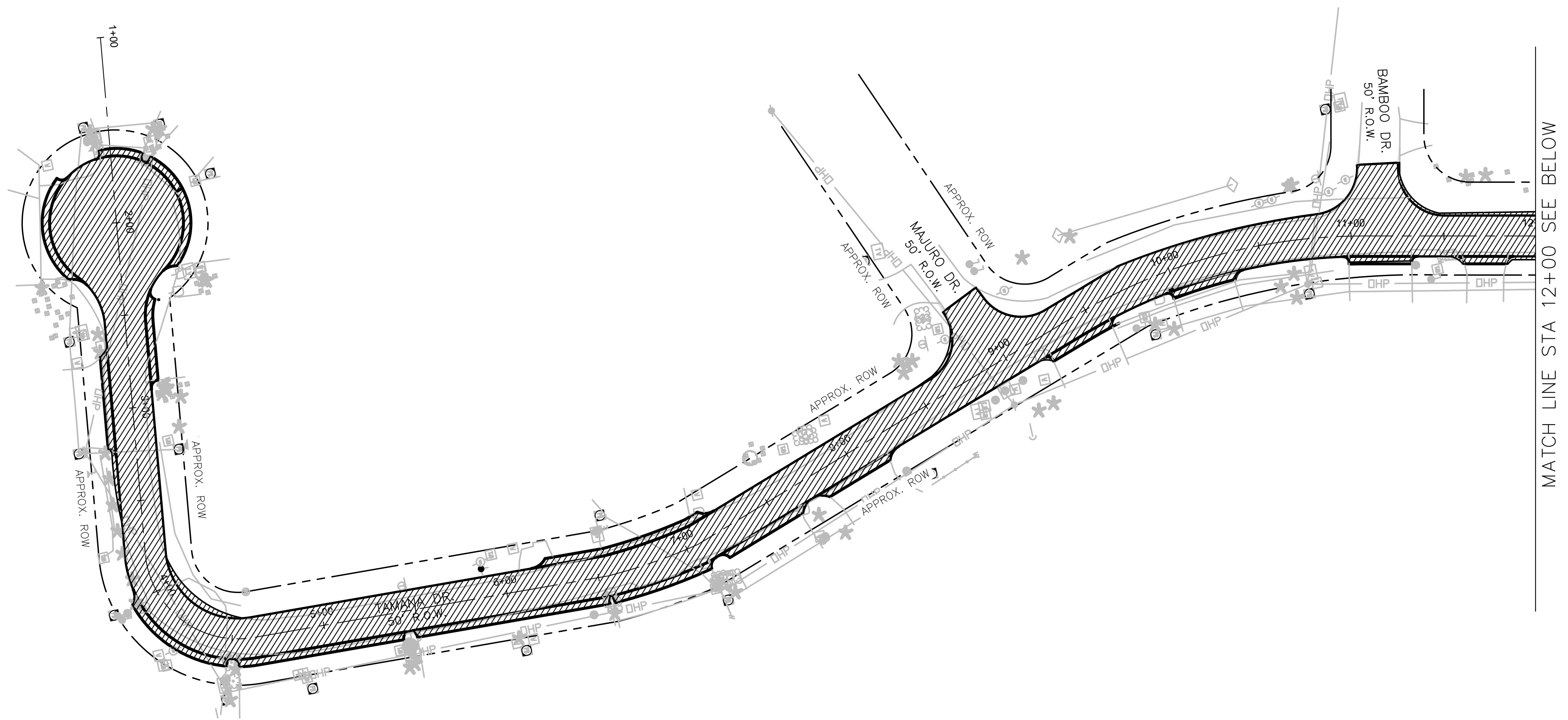
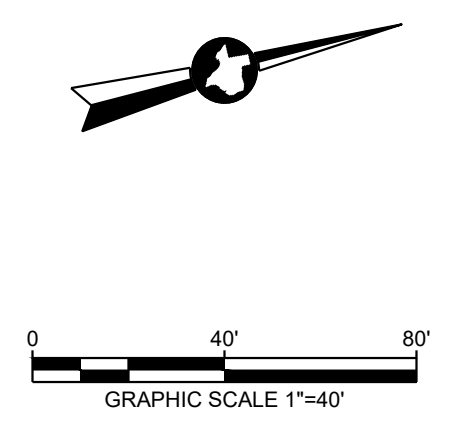
PARADISE DRIVEWAY SUMMARY												
DRIVEWAY	RESIDENTIAL/ COMMERCIAL	DRIVEWAY TYPE	DEPTH	DRIVEWAY AREA (SY)	DRIVEWAY CL STATION AT GUTTER	DRIVEWAY CL OFFSET AT GUTTER	GUTTER ELEVATION AT DRIVEWAY CL	EXIST WIDTH	NEW WIDTH	LEFT CURB RADIUS	RIGHT CURB RADIUS	LENGTH L1
73	RESIDENTIAL	CONCRETE	4	41	2+57.30	11.00L	5.70	88.21	88.21	10.00	5.00	9.12
74	RESIDENTIAL	CONCRETE	4	23	3+40.23	11.00L	5.21	50.05	50.05	2.00	5.00	6.81
75	RESIDENTIAL	CONCRETE	4	20	4+43.34	11.00L	5.00	47.25	40.12	5.00	5.00	7.45
76	RESIDENTIAL	CONCRETE	4	24	6+45.97	11.00L	5.21	52.60	52.60	4.00	4.00	6.29
77	RESIDENTIAL	CONCRETE	4	28	7+50.75	11.00L	5.80	61.78	61.78	3.00	4.00	5.72
78	RESIDENTIAL	CONCRETE	4	11	14+29.98	11.00L	5.61	23.41	23.41	4.00	5.00	5.75
79	RESIDENTIAL	CONCRETE	4	6	14+78.04	11.00L	5.94	11.54	11.54	5.00	5.00	6.90
80	RESIDENTIAL	CONCRETE	4	5								

BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
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 NAD 83, NAVD88, ELEVATION = 11.9'

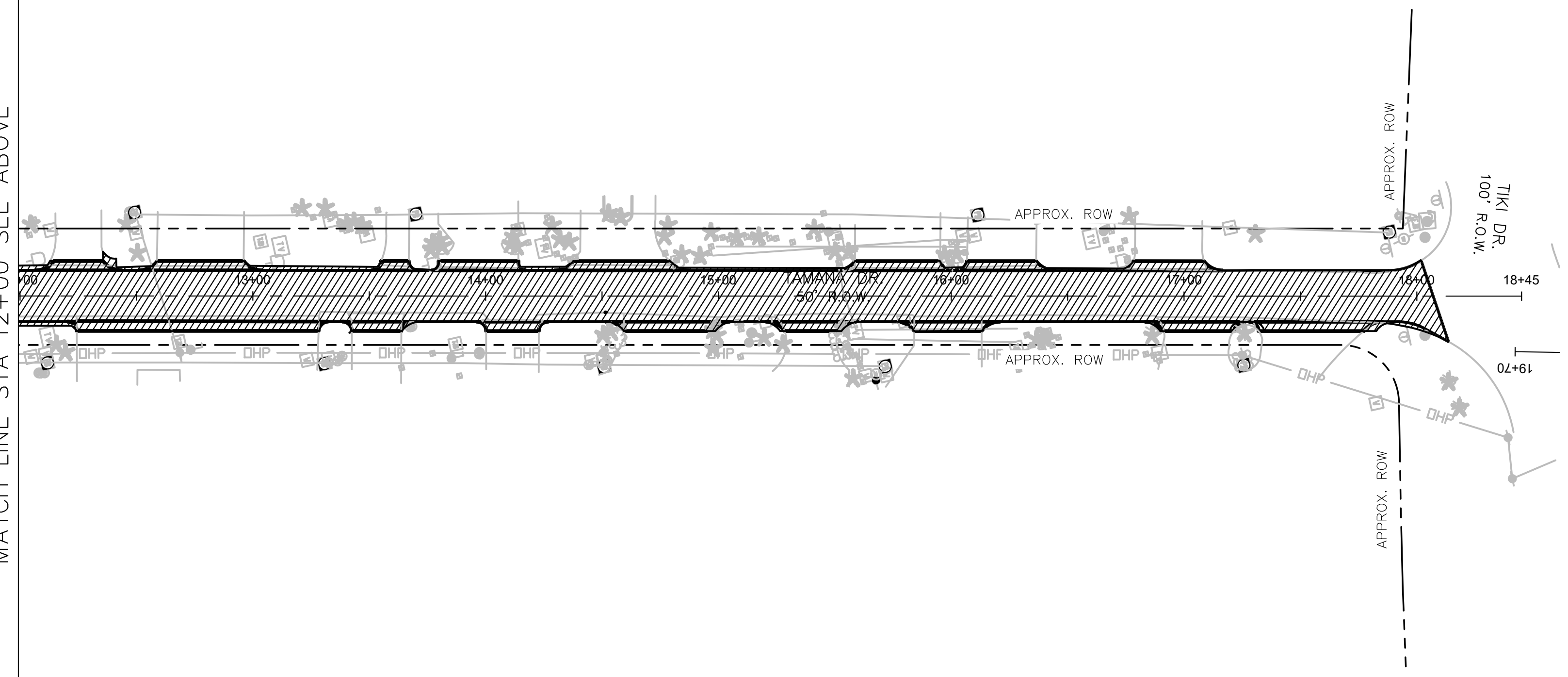


LEGEND  
 REMOVE EXISTING ASPHALT

NOTE:  
 RELOCATE AND RESTORE  
 EXISTING MAILBOXES.



MATCH LINE STA 12+00 SEE ABOVE



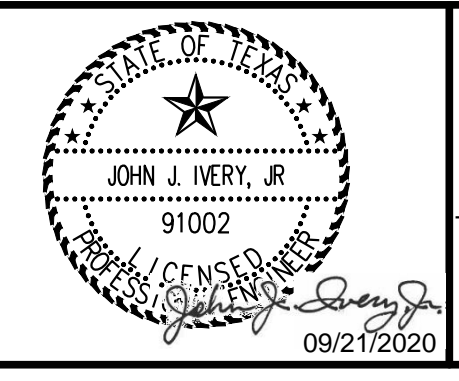
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

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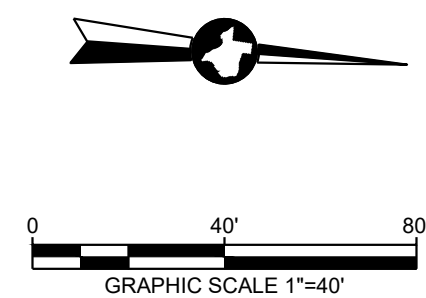


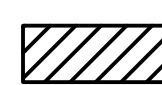
TIKI ISLAND  
 DEMO SHEET 1 OF 5

SHEET  
**27**  
 OF  
**55**

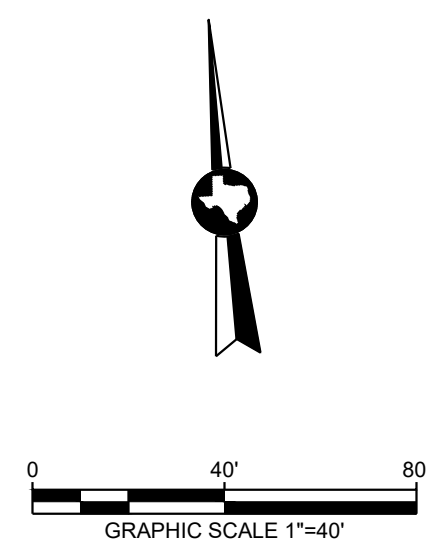
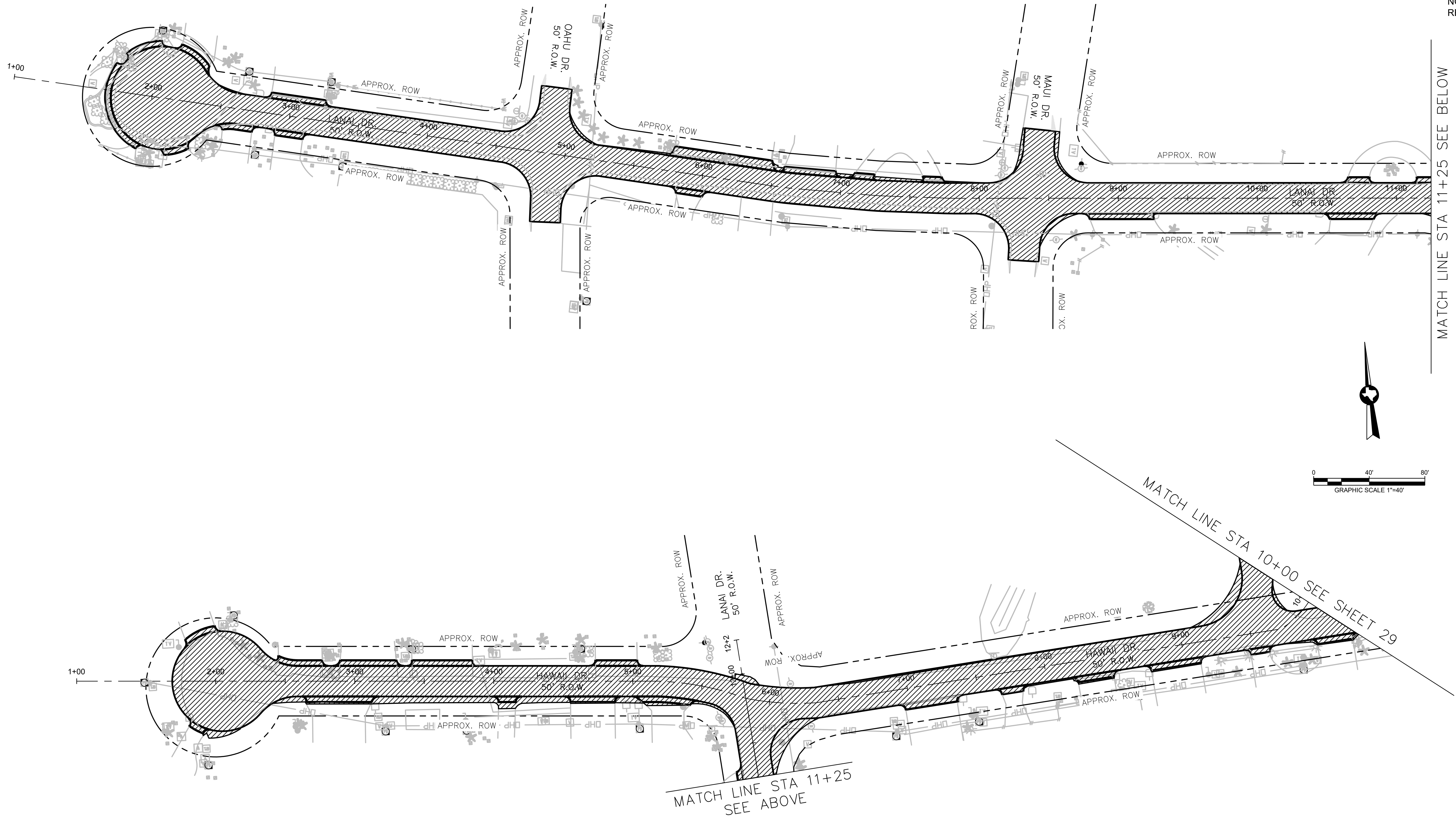
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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
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 NAD 83, NAVD88, ELEVATION = 11.9'



LEGEND  
 REMOVE EXISTING ASPHALT

NOTE:  
 RELOCATE AND RESTORE EXISTING MAILBOXES.



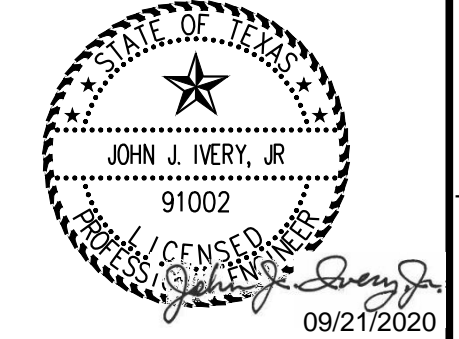
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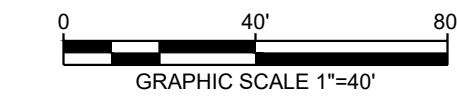



TIKI ISLAND  
 DEMO SHEET 2 OF 5

SHEET  
**28**  
 OF  
**55**

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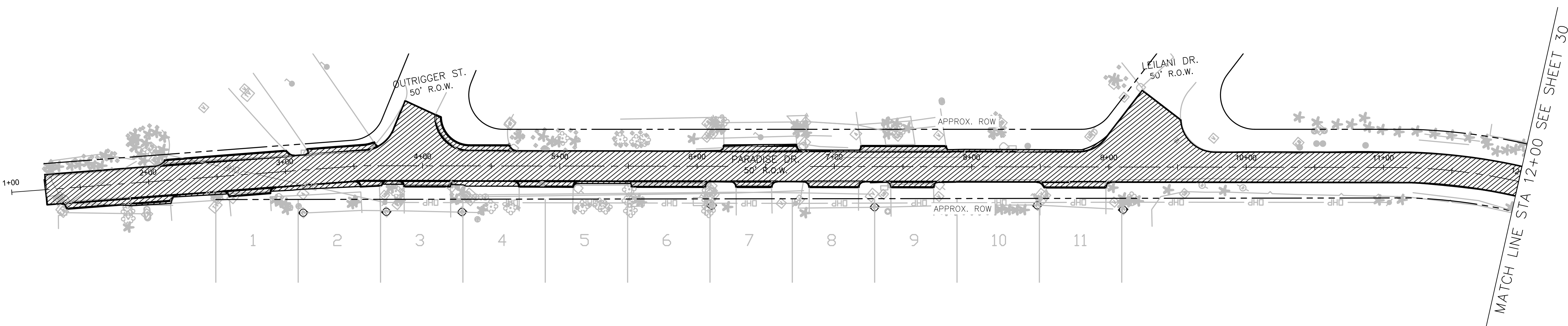
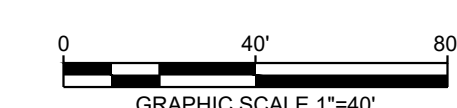
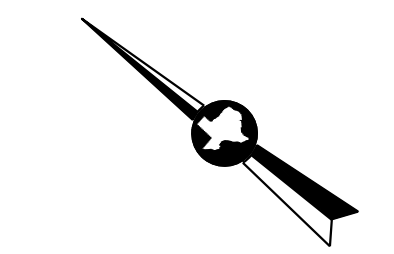
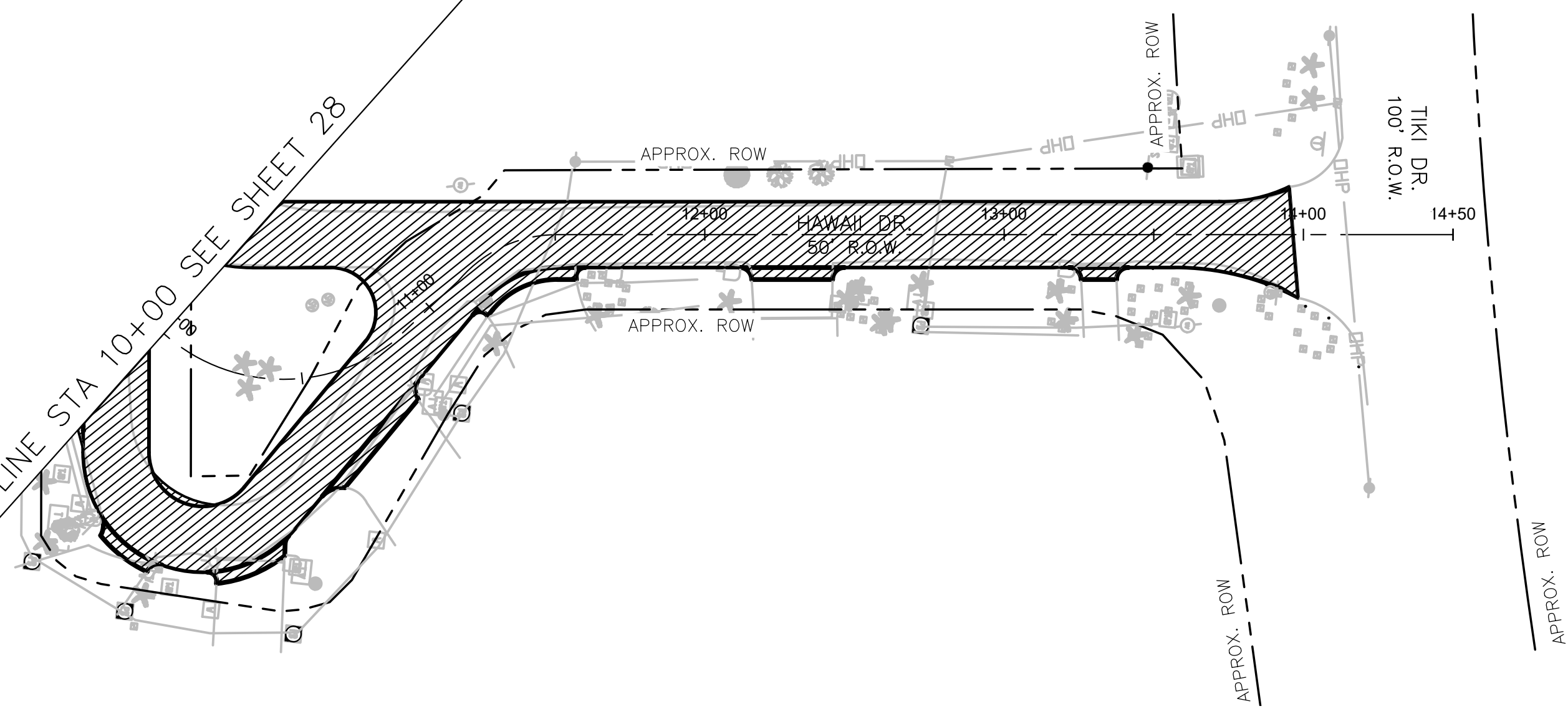
BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO.  
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 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



LEGEND  
 REMOVE EXISTING ASPHALT

NOTE:  
 RELOCATE AND RESTORE  
 EXISTING MAILBOXES.

MATCH LINE STA 10+00 SEE SHEET 28



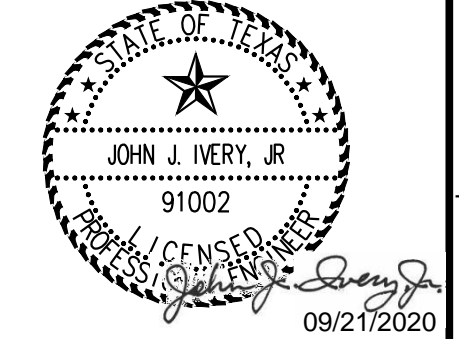
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
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 SCALE: N/A  
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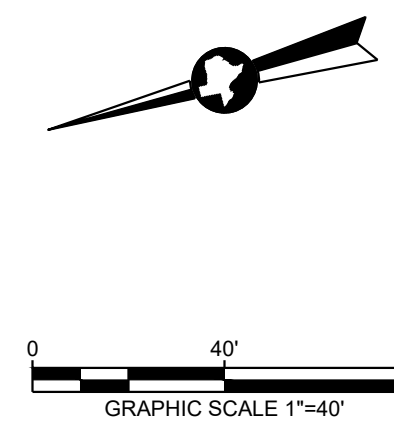



TIKI ISLAND  
 DEMO SHEET 3 OF 5

SHEET  
**29**  
 OF  
**55**

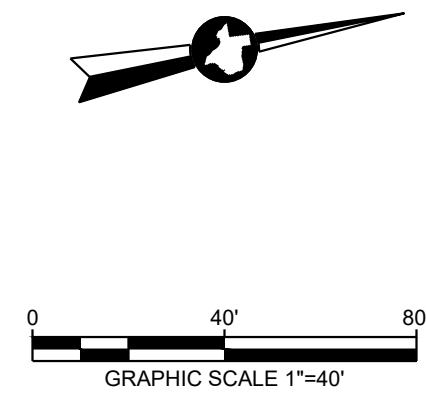
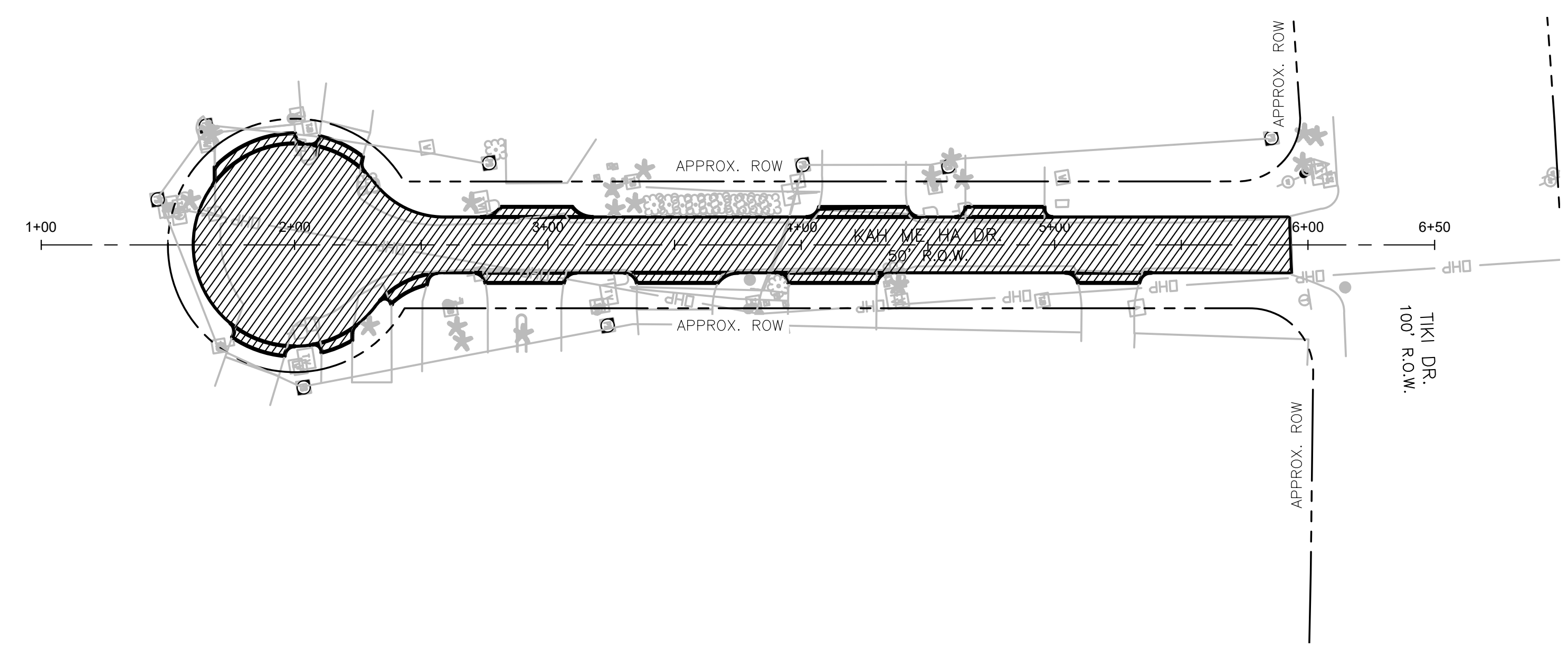
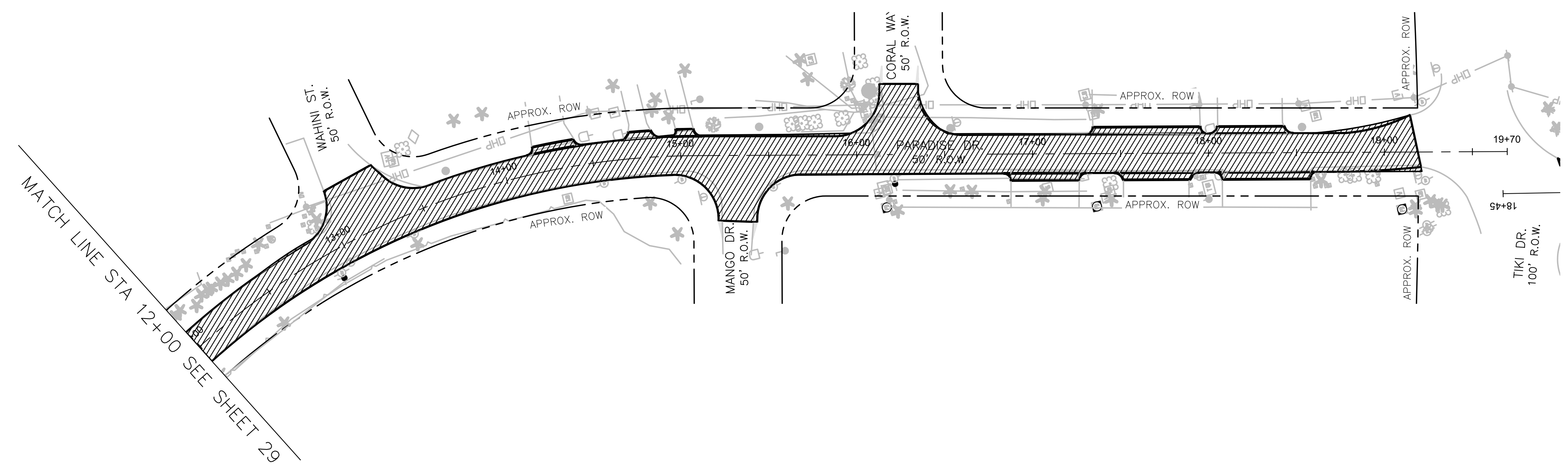
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LEGEND  
 REMOVE EXISTING ASPHALT

NOTE:  
 RELOCATE AND RESTORE  
 EXISTING MAILBOXES.



P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
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 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
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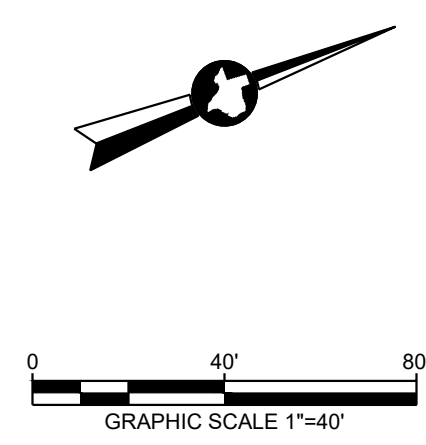
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 DEMO SHEET 4 OF 5

SHEET 30  
 OF 55

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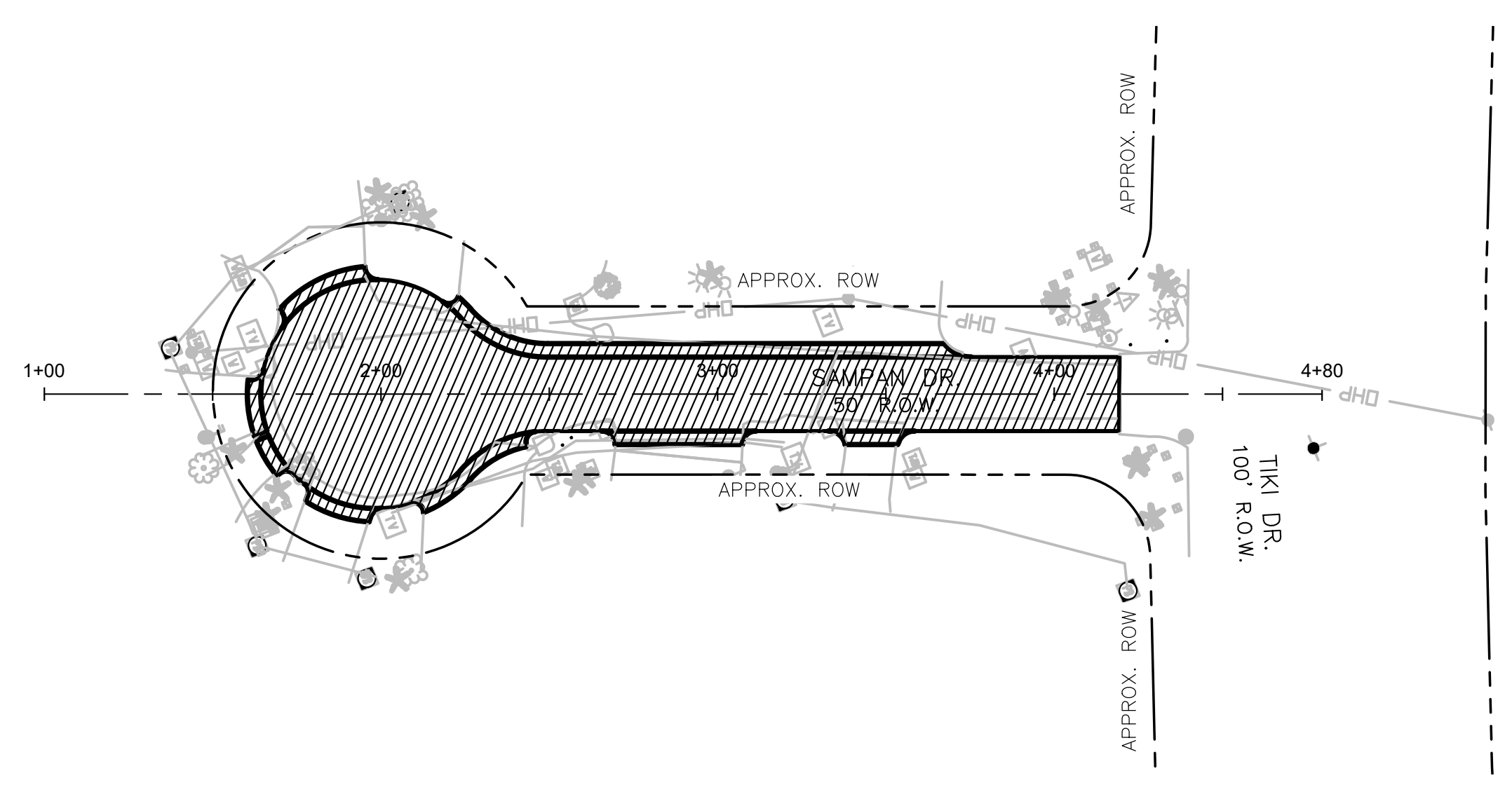
**BENCHMARK**  
 PRIMARY BENCHMARK: NGS RM NO.  
 D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



**LEGEND**



**NOTE:**  
 RELOCATE AND RESTORE  
 EXISTING MAILBOXES.



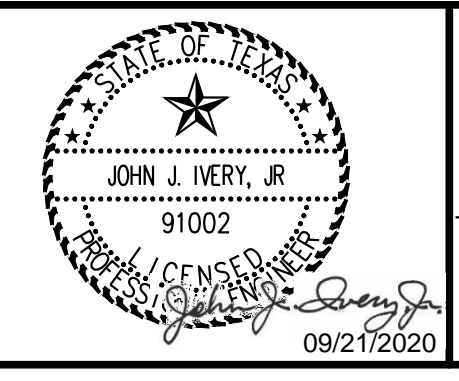
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

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TIKI ISLAND  
 DEMO SHEET 5 OF 5

SHEET **31**  
 OF **55**

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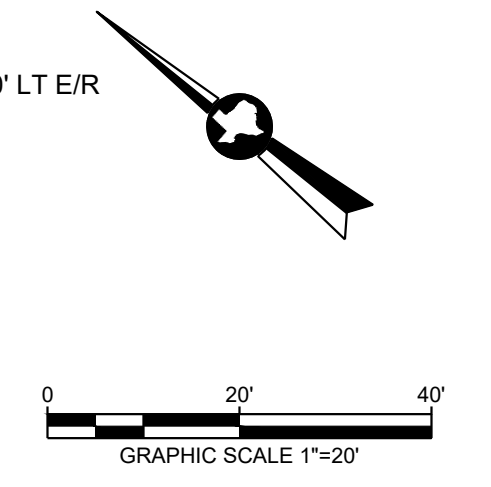
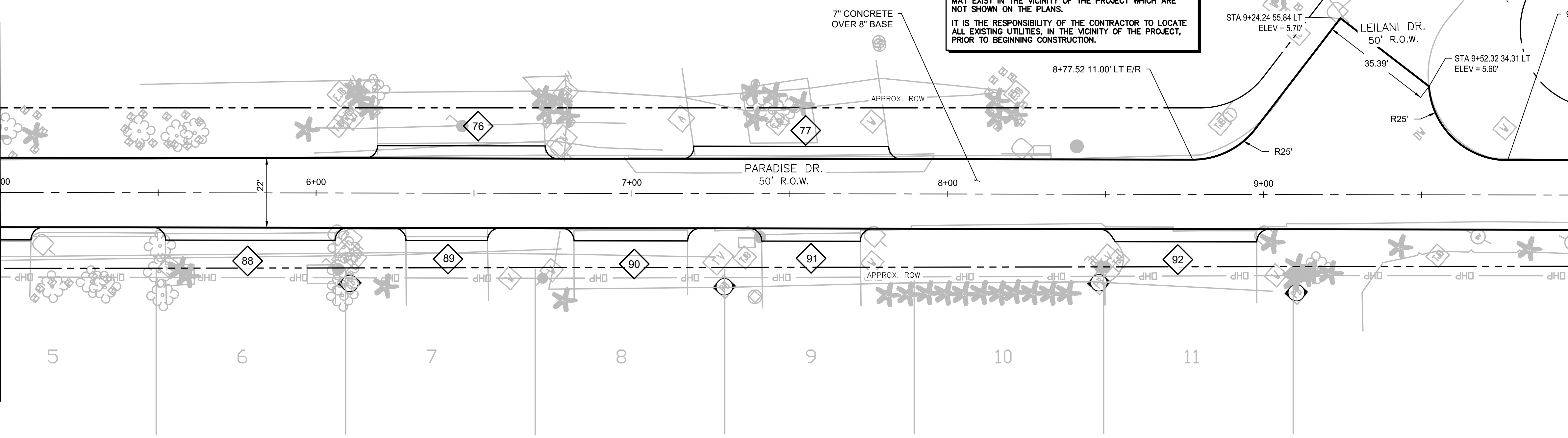


BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL NAD 83, NAVD88, ELEVATION = 11.9'

**WARNING**  
 OVERHEAD AND UNDERGROUND UTILITIES MAY EXIST IN THE VICINITY OF THIS PROJECT. LOCATIONS SHOWN FOR EXISTING UTILITIES ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST IN THE VICINITY OF THE PROJECT WHICH ARE NOT SHOWN ON THE PLANS.  
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, IN THE VICINITY OF THE PROJECT, PRIOR TO BEGINNING CONSTRUCTION.

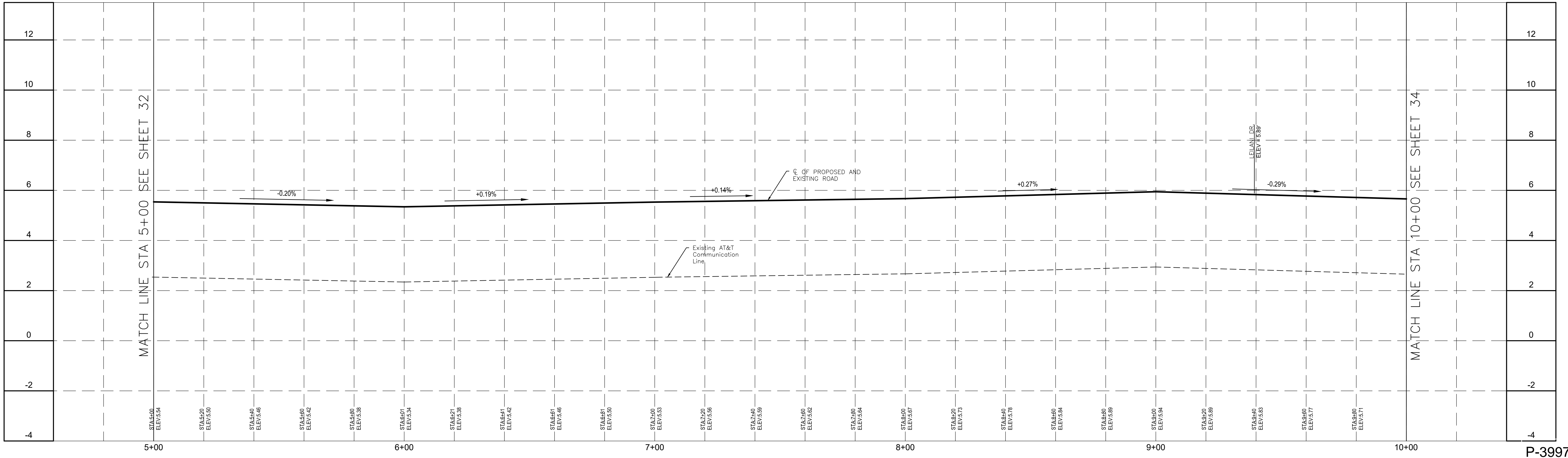
MATCH LINE STA 5+00 SEE SHEET 32

MATCH LINE STA 10+00 SEE SHEET 34



- NOTES:**
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

**LEGEND**  
 [Diamond symbol with number 75] DRIVEWAY NUMBERS



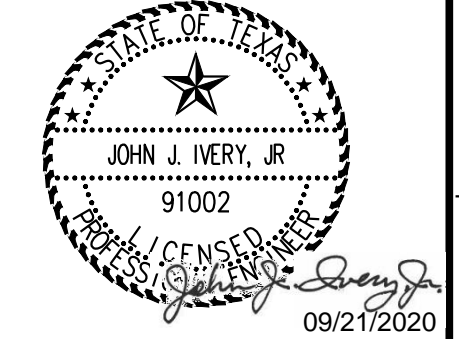
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

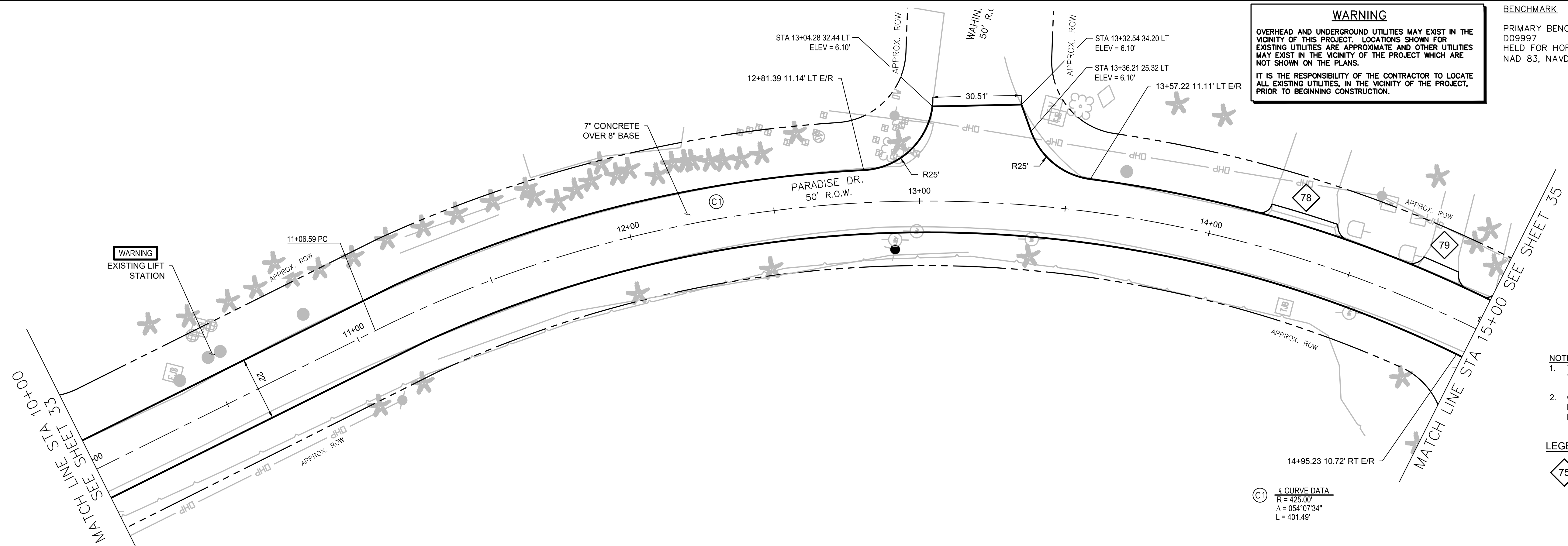
**EHRA**  
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 Houston, Texas 77042  
 EHRAInc.com | 713.784.4500  
 TPE No. F-726 | TBPLS No. 10092300



TIKI ISLAND  
 PARADISE DR 5+00 TO 10+00  
 PLAN AND PROFILE

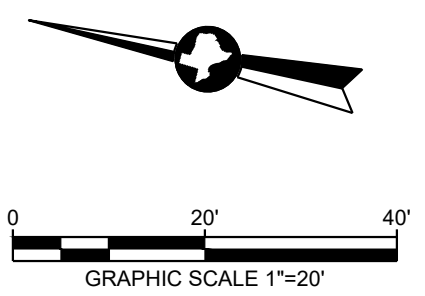
SHEET **33**  
 OF **55**

P:\181-062-00\Drawings\TIKI ISLAND\30-33 PARADISE DR PLAN & PROFILE.dwg Sep 18, 2020-8:33am Edited by: cmueliner



**WARNING**  
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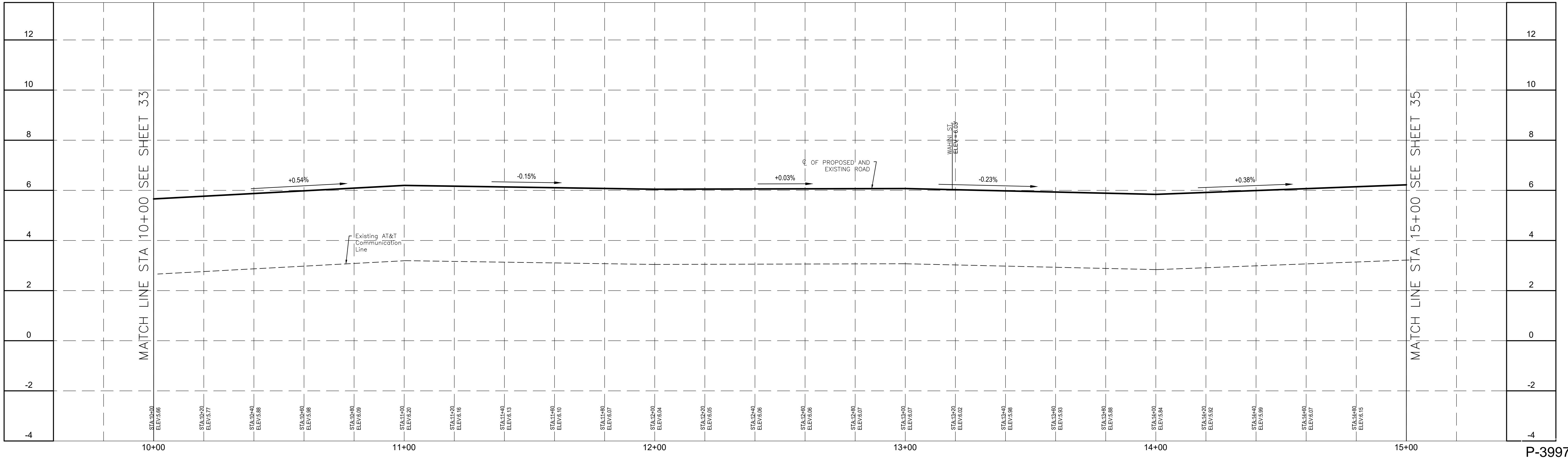
**BENCHMARK**  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:**
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

**LEGEND**  
 ◊ 75 DRIVEWAY NUMBERS

Ⓢ CURVE DATA  
 R = 425.00'  
 Δ = 054°07'34"  
 L = 401.49'

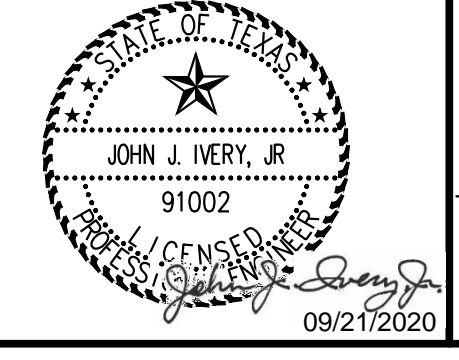


NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

**EHRA**  
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 Houston, Texas 77042  
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 TPE No. F-726 | TBPLS No. 10092300

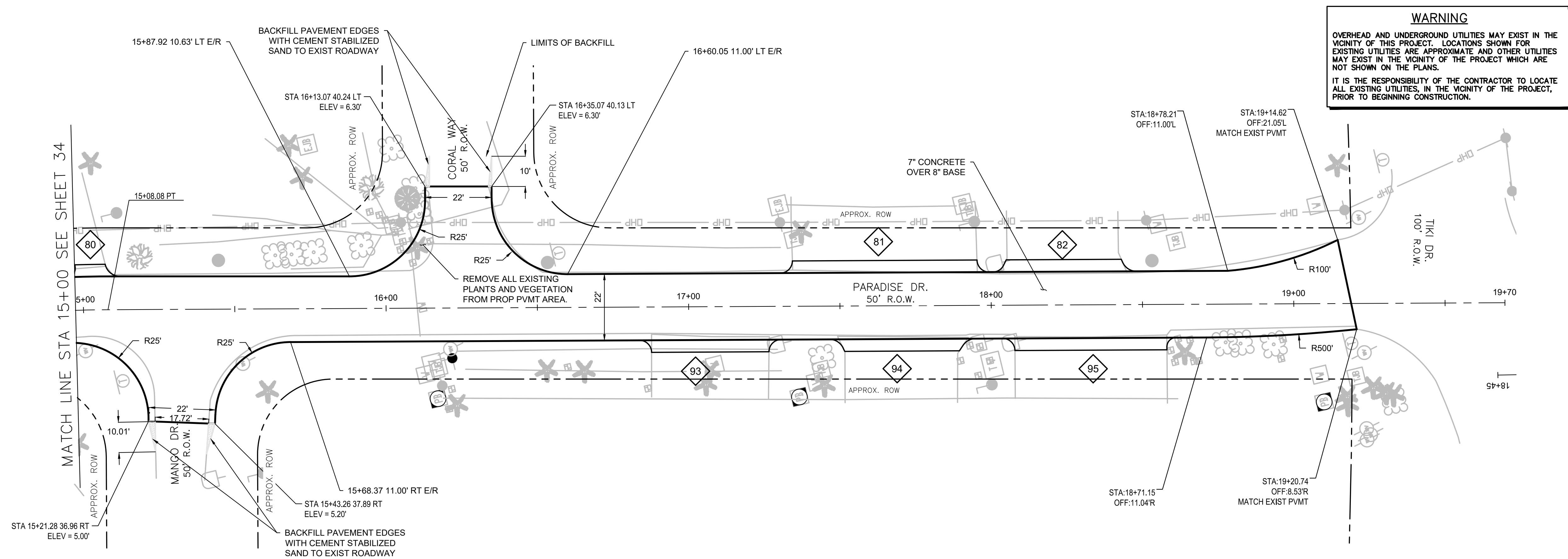


TIKI ISLAND  
 PARADISE DR 10+00 TO 15+00  
 PLAN AND PROFILE

SHEET **34**  
 OF **55**

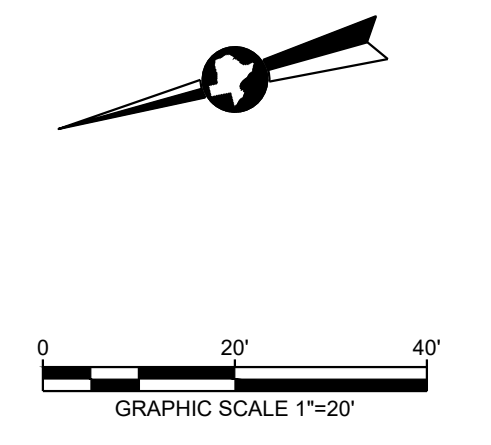
P-3997

P:\181-062-00\Drawings\TIKI ISLAND\30-33 PARADISE DR PLAN & PROFILE.dwg Sep 18, 2020-8:33am Edited by: cmueliner



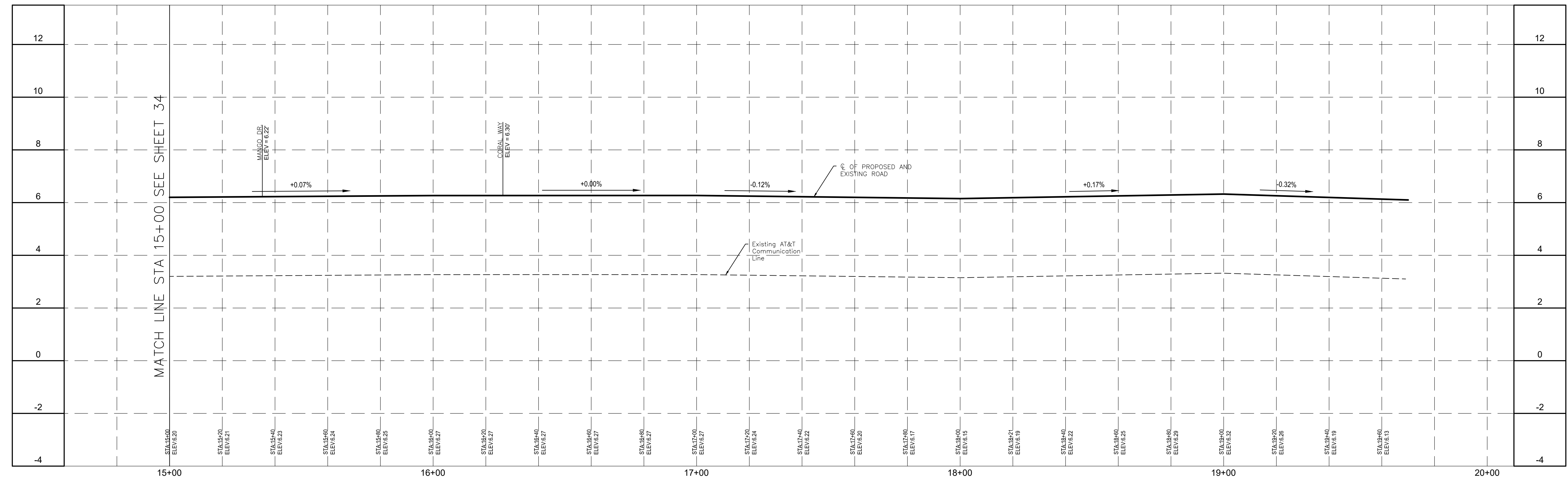
**WARNING**  
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**BENCHMARK**  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:**
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

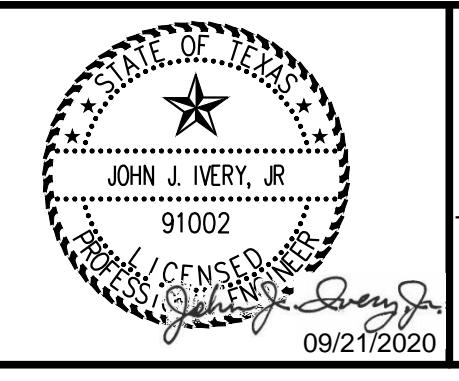
**LEGEND**  
 DRIVEWAY NUMBERS



NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

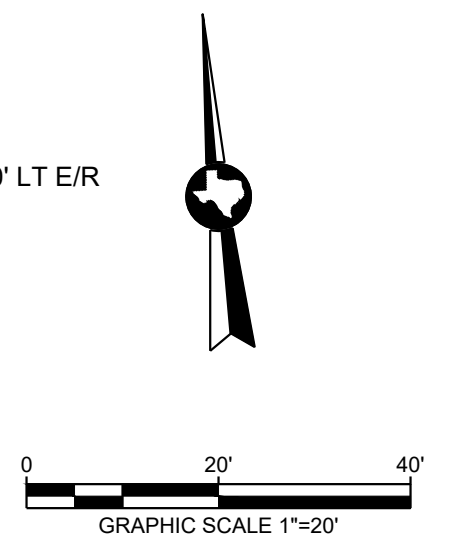
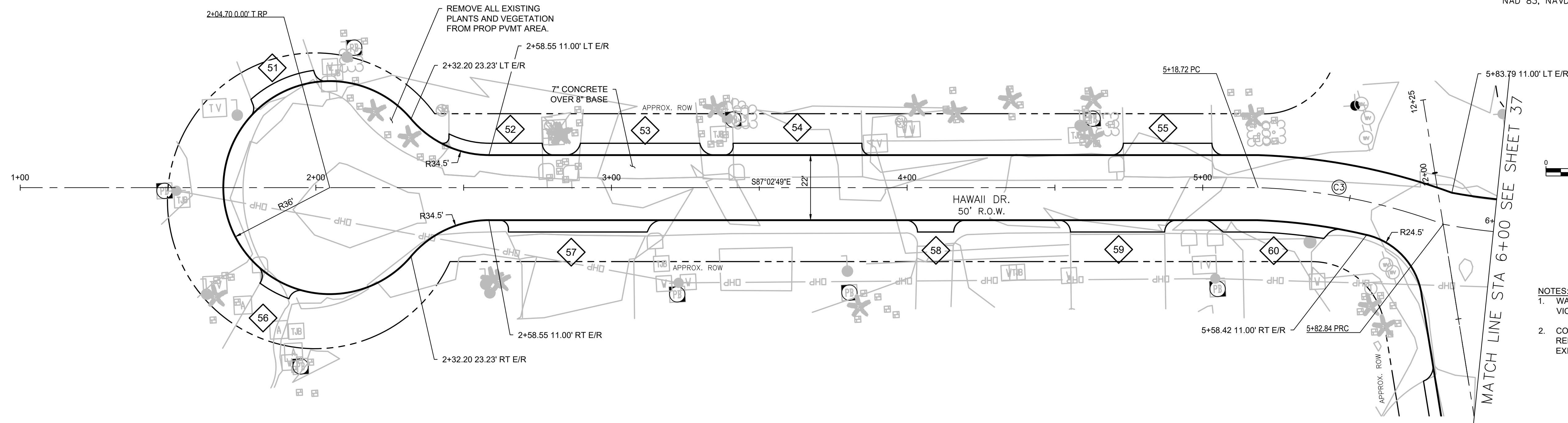


TIKI ISLAND  
 PARADISE DR 15+00 TO END  
 PLAN AND PROFILE

SHEET **35**  
 OF **55**

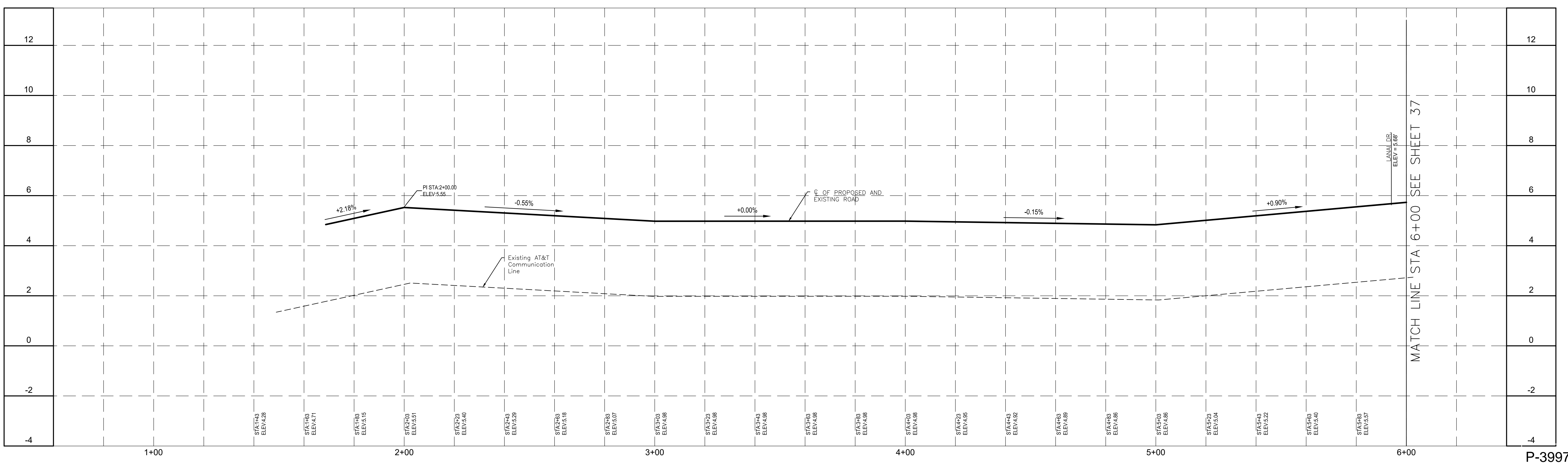
P-3997

BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

(C3) CURVE DATA  
 R = 200.00'  
 Δ = 018°22'13\"/>



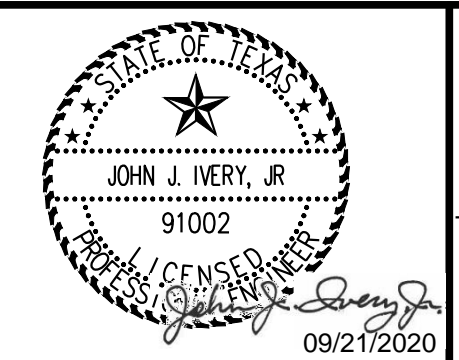
P:\181-062-00\Drawings\TIKI ISLAND\27-29 HAWAII DR PLAN & PROFILE.dwg Sep 18, 2020 - 8:33am Edited by: crueliner

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

**EHRA**  
 ENGINEERING THE FUTURE SINCE 1936  
 10011 Meadowglen Lane  
 Houston, Texas 77042  
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 TPE No. F-726 | TBP15 No. 10092300



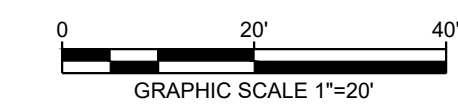
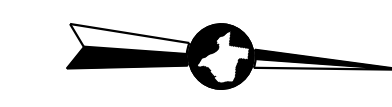
TIKI ISLAND  
 HAWAII DR BEGIN TO 6+00 PLAN  
 AND PROFILE

SHEET **36**  
 OF **55**

P-3997

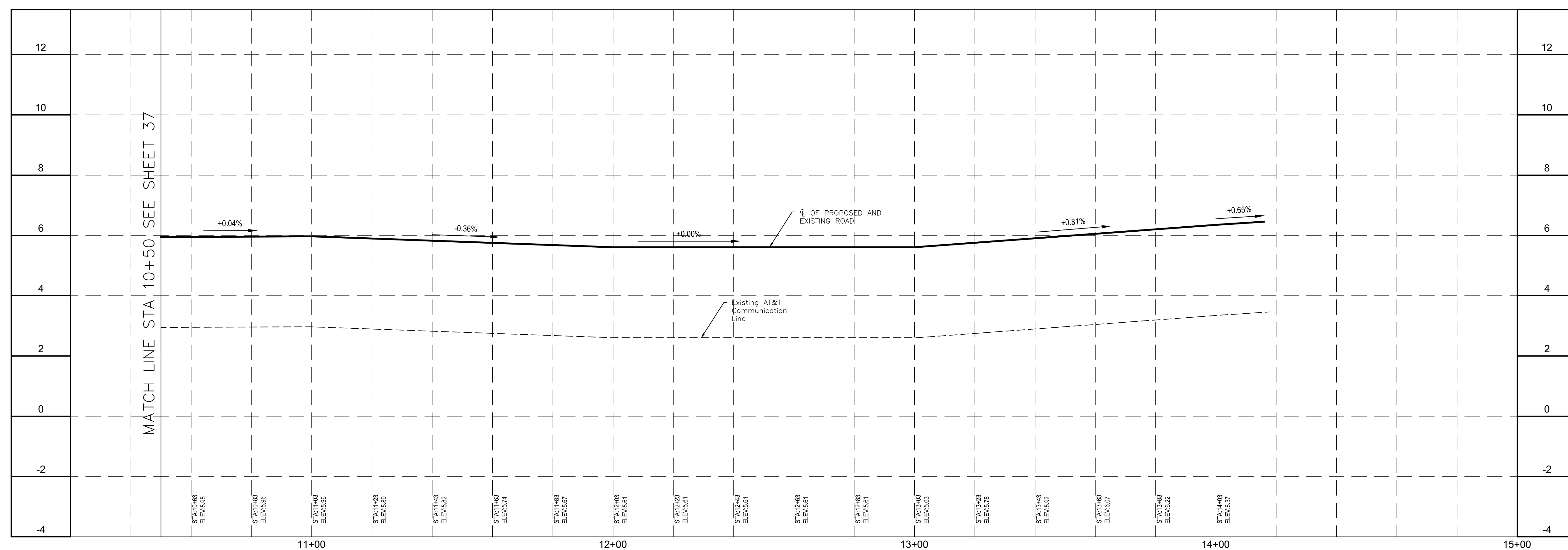
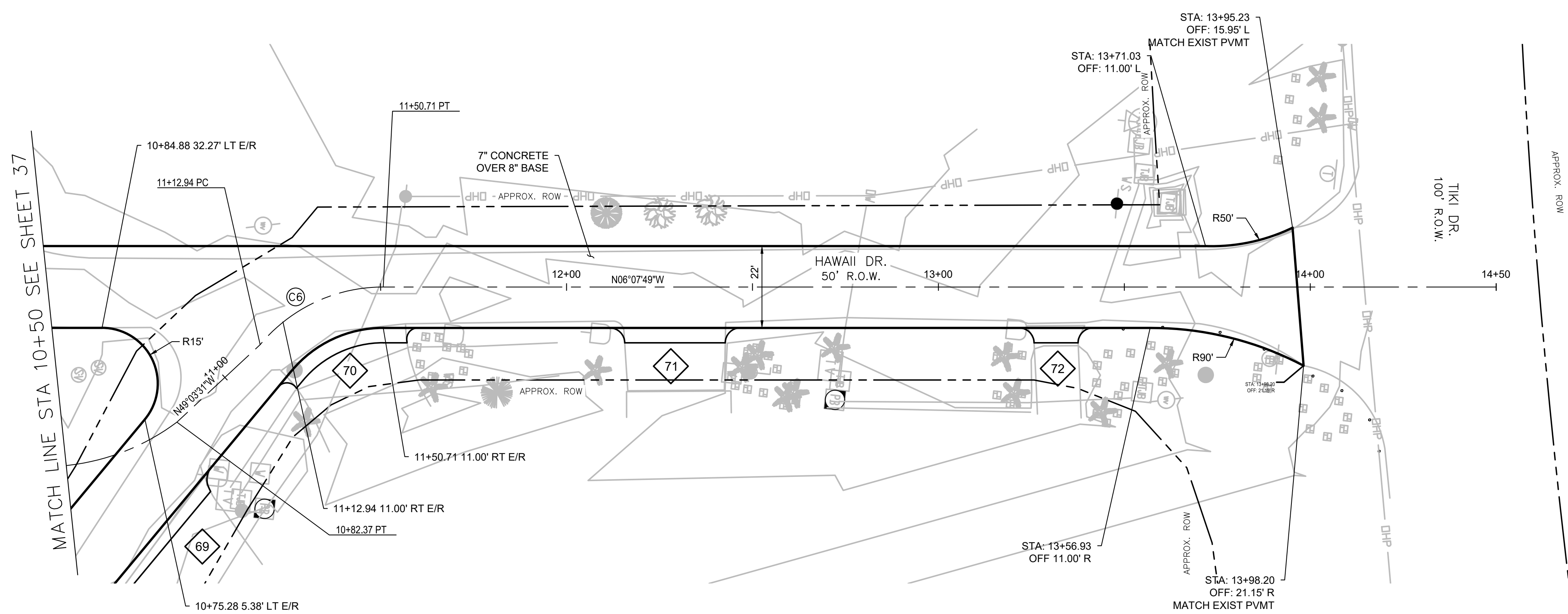


BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES
  3. PLACE PROJECT SIGN APPROXIMATELY 500 FT EAST OF HAWAII DRIVE AT THE NORTHWEST CORNER OF THE BORA BORA AND TIKI DRIVE INTERSECTION WITHIN THE STREET RIGHT OF WAY. SEE SHEET 55 OF 55 FOR PROJECT SIGN DETAILS.

C6 CURVE DATA  
 R = 43.00'  
 Δ = 050°19'19"  
 L = 37.77'



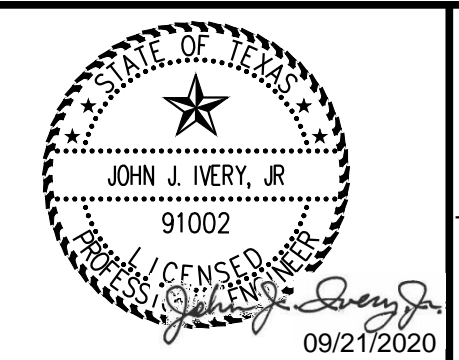
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
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 TPE No. F-726 | TBPLS No. 10092300

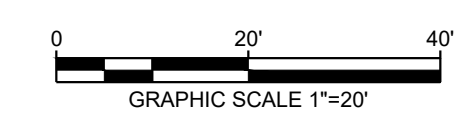


TIKI ISLAND  
 HAWAII DR 10+50 TO END PLAN  
 AND PROFILE

SHEET **38**  
 OF **55**

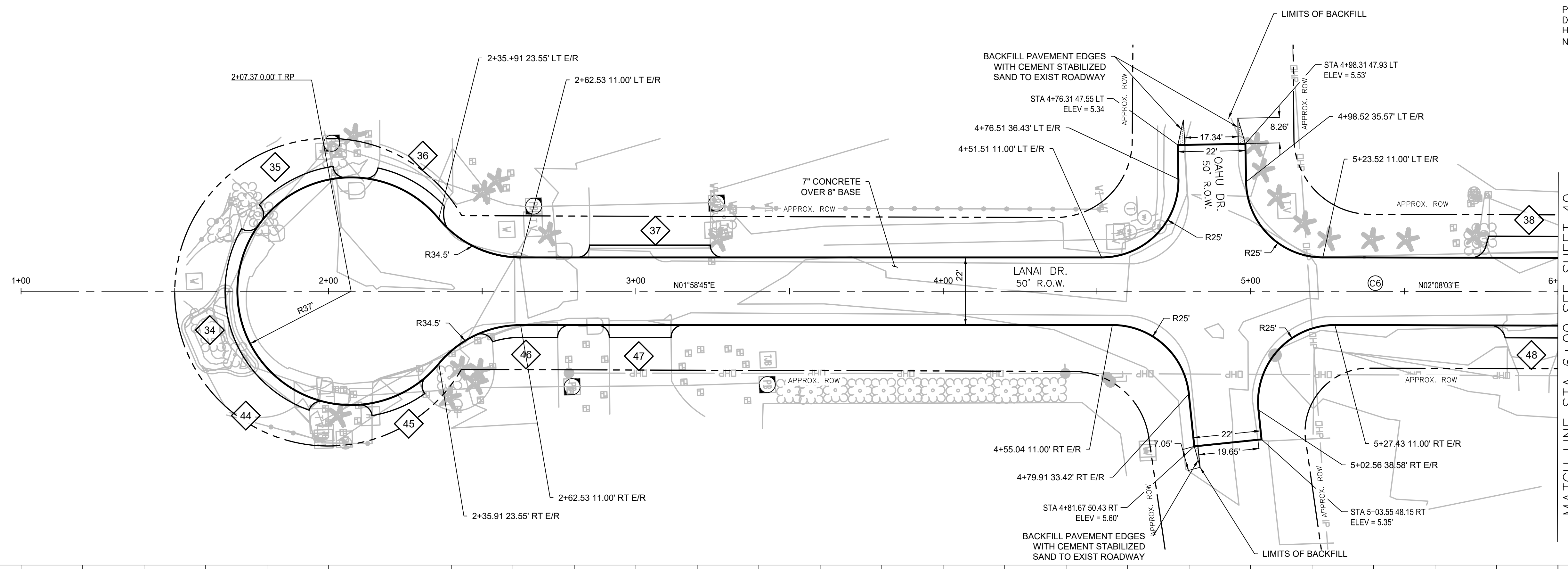
P:\181-062-00\Drawings\TIKI ISLAND\27-29 HAWAII DR PLAN & PROFILE.dwg Sep 18, 2020 - 8:33am Edited by: crueliner

BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'

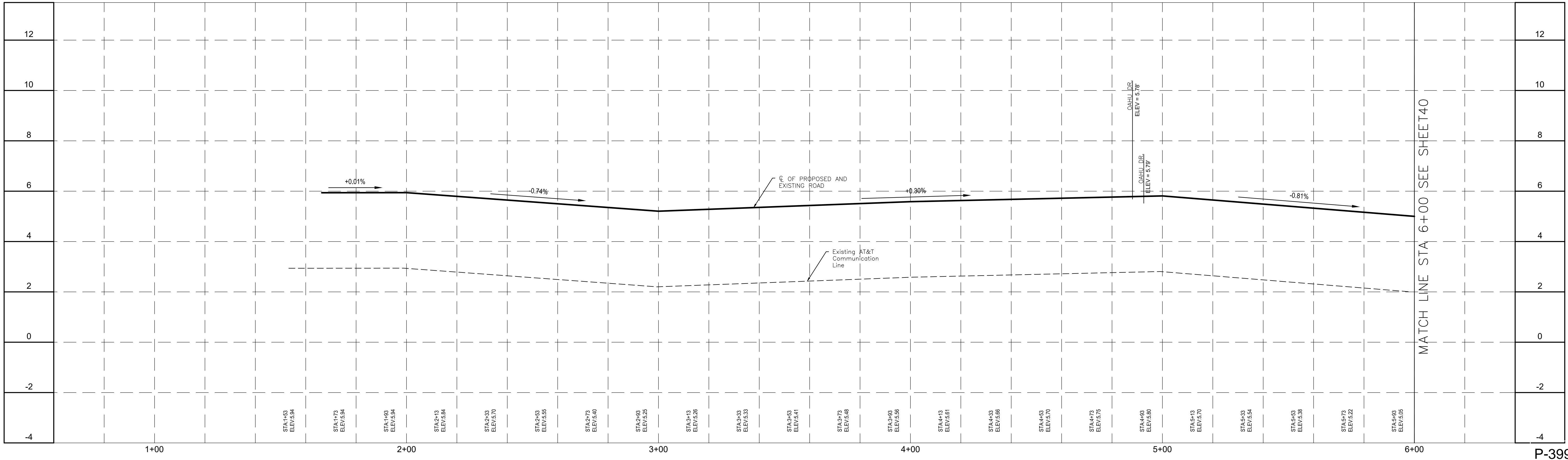


- NOTES:
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

Ⓢ CURVE DATA  
 R = 200.00'  
 Δ = 000°09'19"  
 L = 0.54'



MATCH LINE STA 6+00 SEE SHEET 40



MATCH LINE STA 6+00 SEE SHEET 40

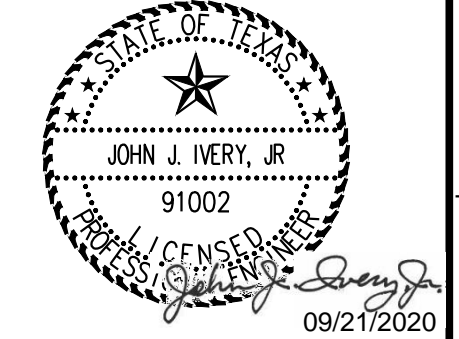
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

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 Houston, Texas 77042  
 EHRAInc.com | 713.784.4500  
 TBP# No. F-726 | TBP#L No. 10092300

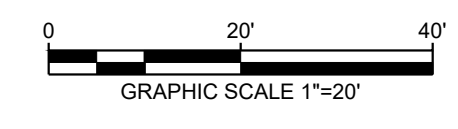
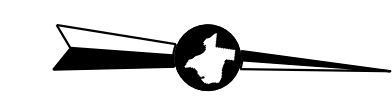


TIKI ISLAND  
 LANAI DR BEGIN TO 6+00 PLAN  
 AND PROFILE

SHEET **39**  
 OF **55**

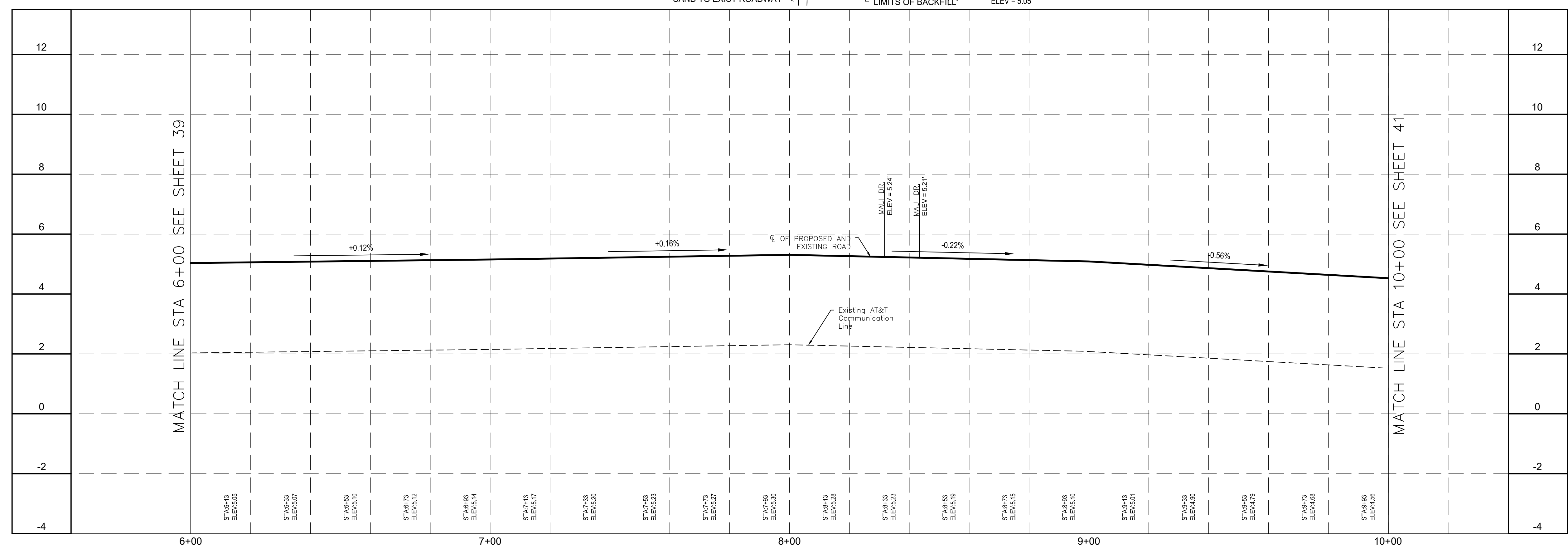
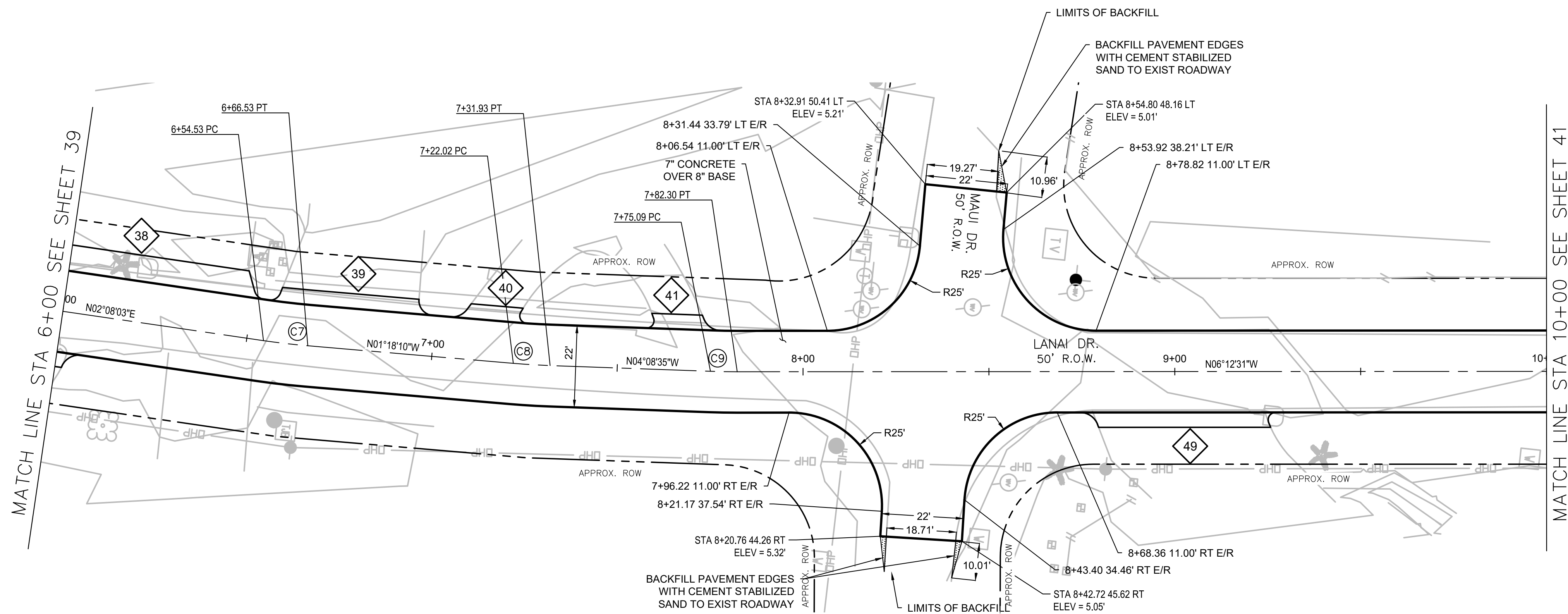
P:\181-062-00\Drawings\TIKI ISLAND\24-26 LANAI DR PLAN & PROFILE.dwg Sep 18, 2020 - 8:34am Edited by: cmueliner

BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

- Ⓢ CURVE DATA  
 R = 200.00  
 $\Delta = 003^{\circ}28'13''$   
 L = 12.00'
- Ⓢ CURVE DATA  
 R = 200.00  
 $\Delta = 002^{\circ}50'25''$   
 L = 9.91'
- Ⓢ CURVE DATA  
 R = 200.00  
 $\Delta = 002^{\circ}03'56''$   
 L = 7.21'



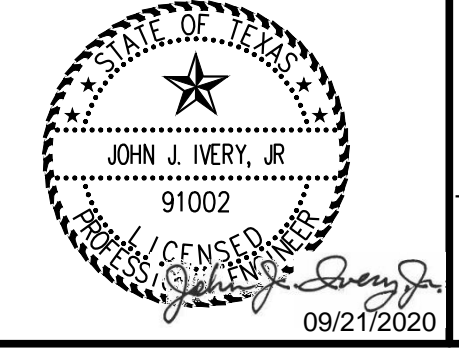
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

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 Houston, Texas 77042  
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 TBPE No. F-726 | TBPLS No. 10092300



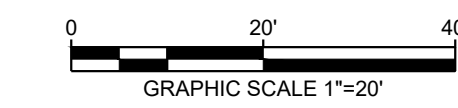
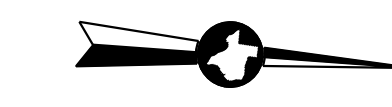
TIKI ISLAND  
 LANAI DR 6+00 TO 10+00 PLAN  
 AND PROFILE

SHEET **40**  
 OF **55**

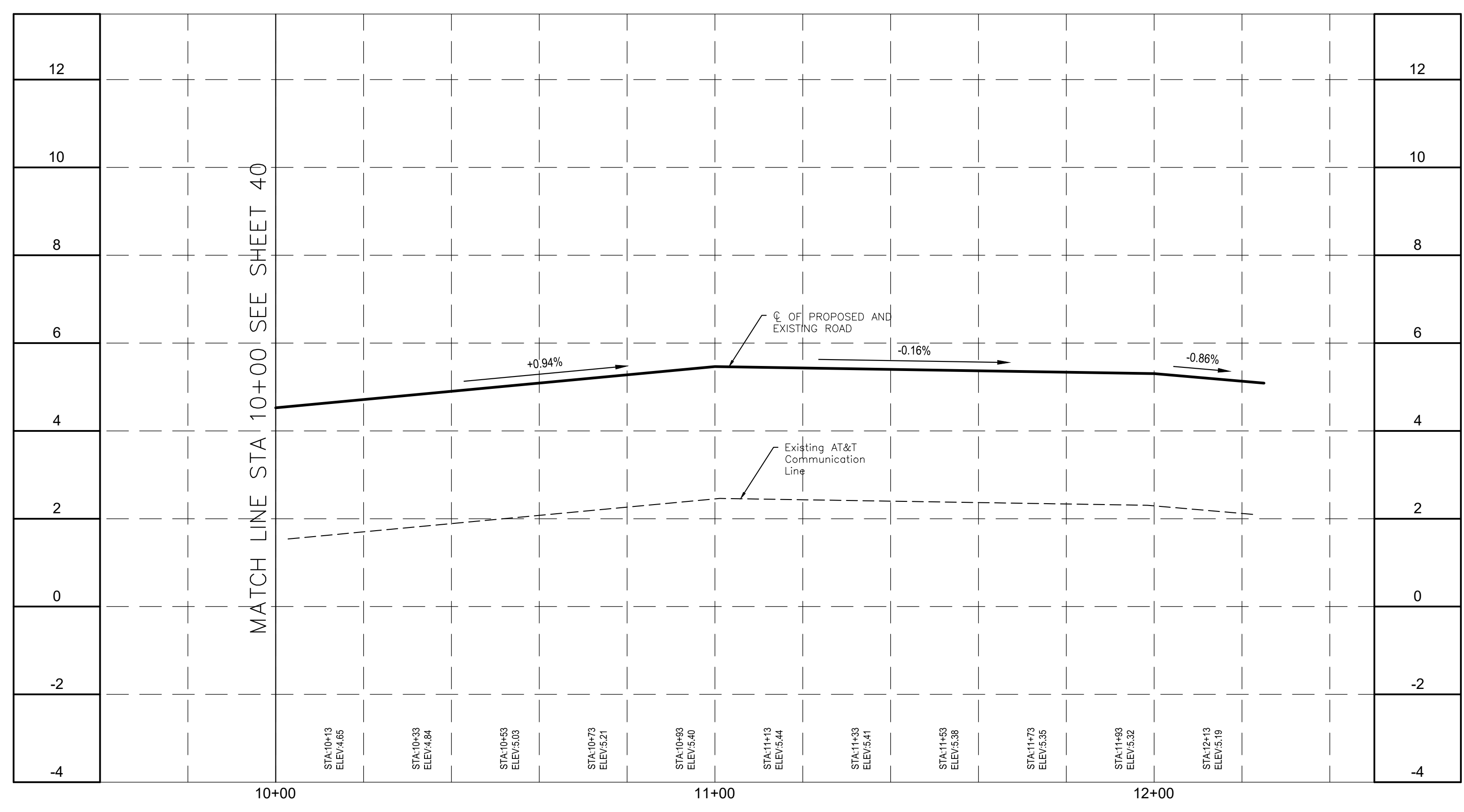
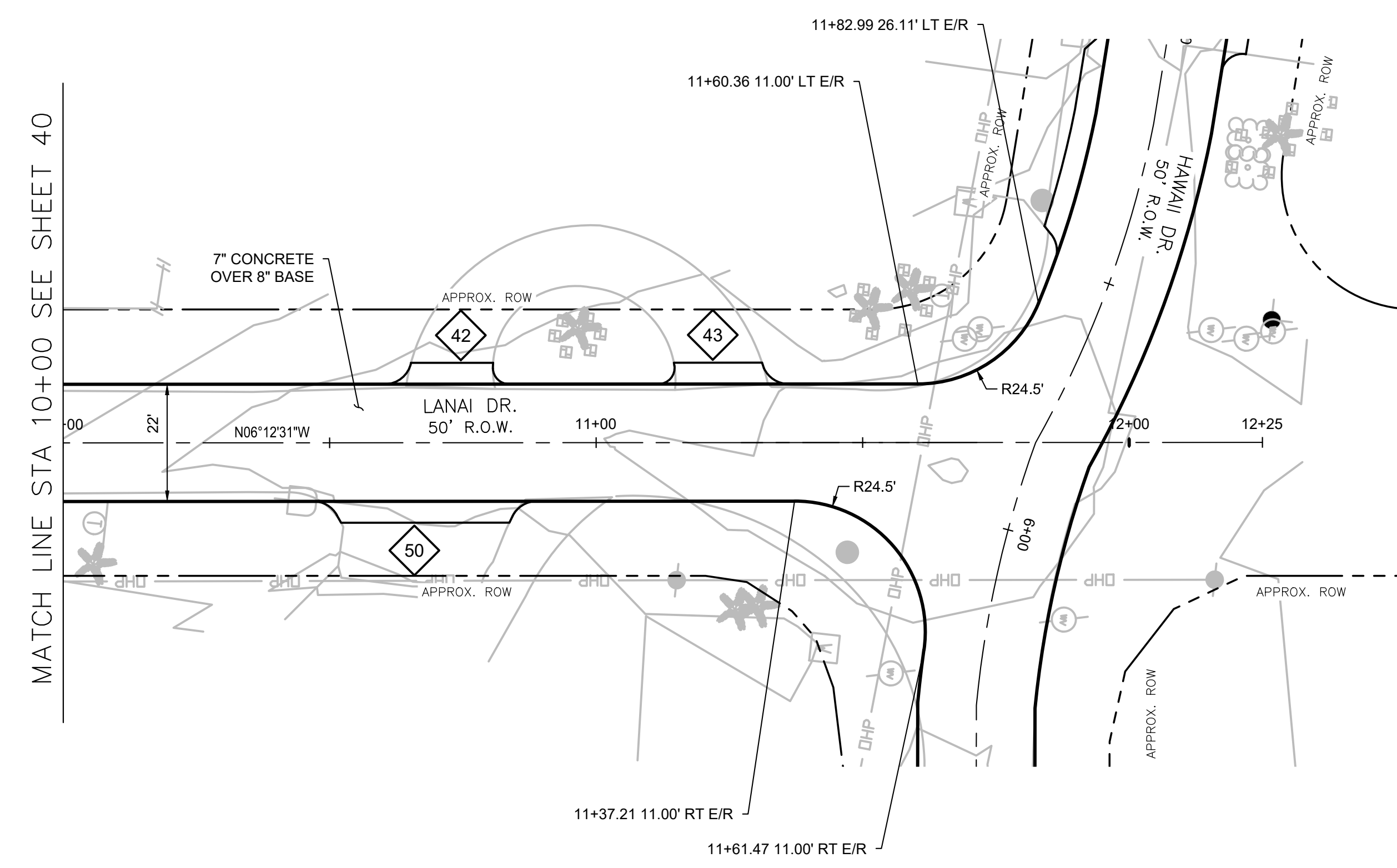
P:\181-062-00\Drawings\TIKI ISLAND\24-26 LANAI DR PLAN & PROFILE.dwg Sep 18, 2020-8:34am Edited by: cmueliner



**BENCHMARK**  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:**
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES



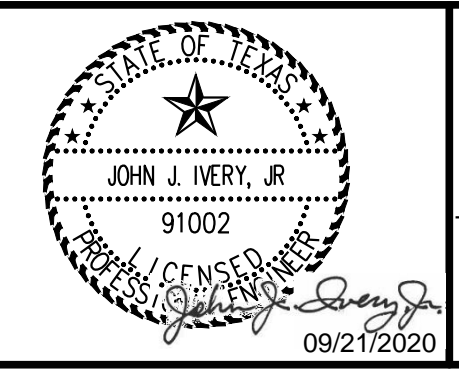
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

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 TBPE No. F-726 | TBPLS No. 10092300

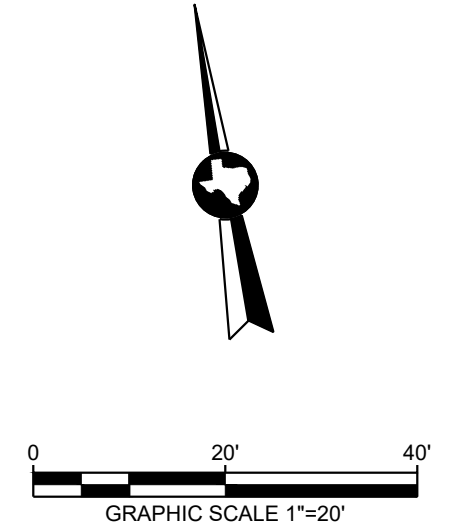


TIKI ISLAND  
 LANAI DR 10+00 TO END PLAN  
 AND PROFILE

SHEET **41**  
 OF **55**

P:\181-062-00\Drawings\TIKI ISLAND\24-26 LANAI DR PLAN & PROFILE.dwg Sep 18, 2020-8:34am Edited by: cmueliner

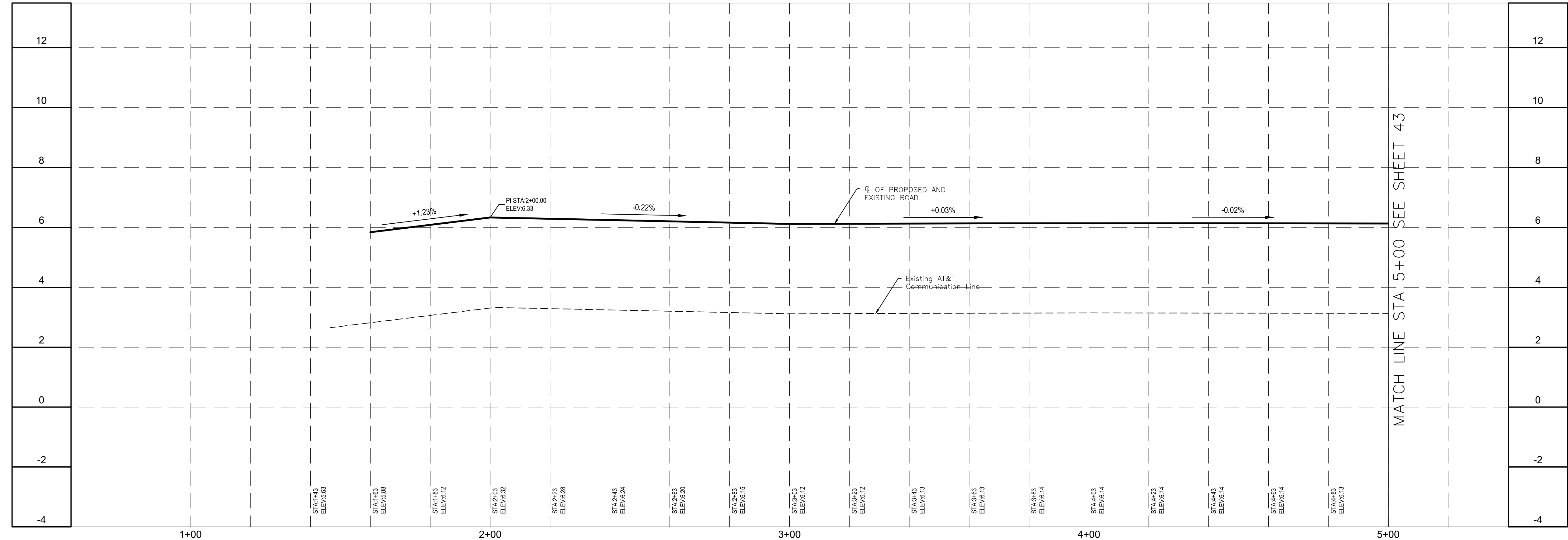
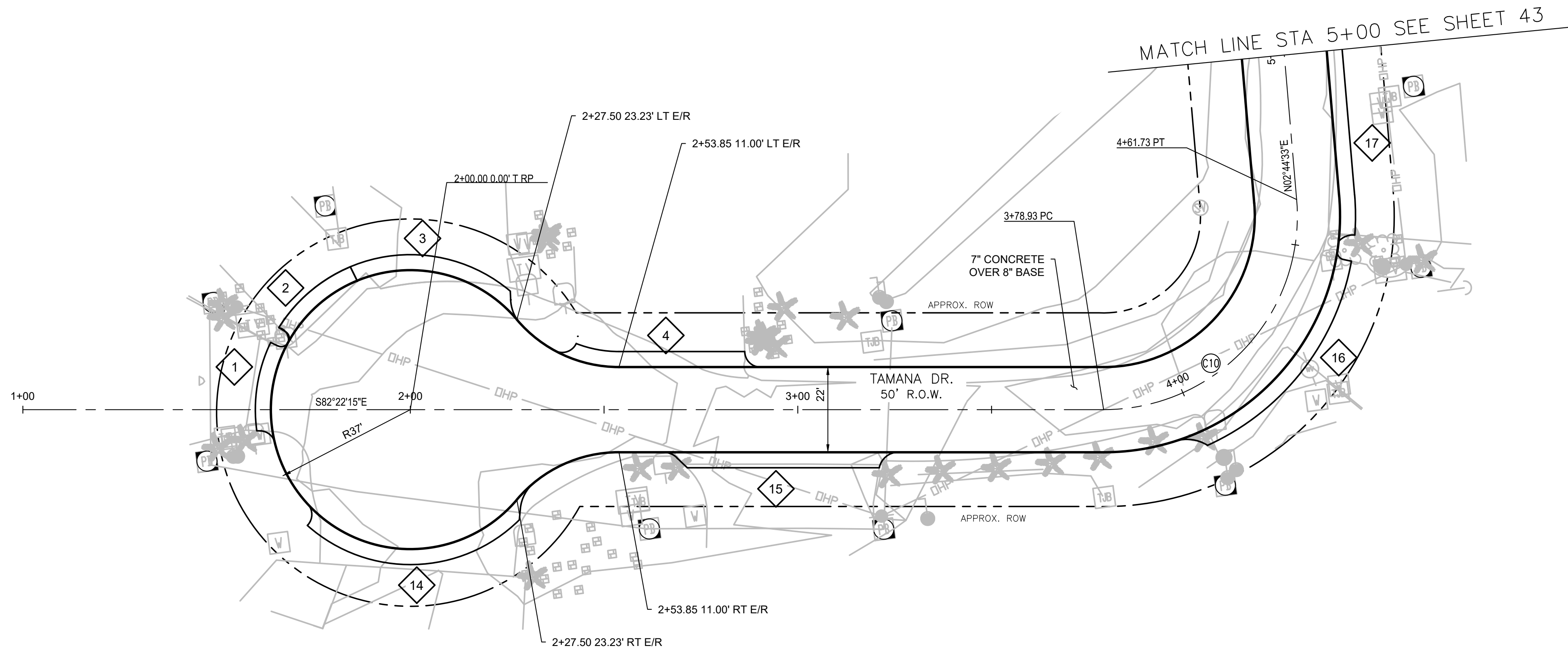
BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

LEGEND  
 75 DRIVEWAY NUMBERS

⊕ CURVE DATA  
 R = 50.00'  
 Δ = 094°53'12"  
 L = 82.80'



MATCH LINE STA 5+00 SEE SHEET 43

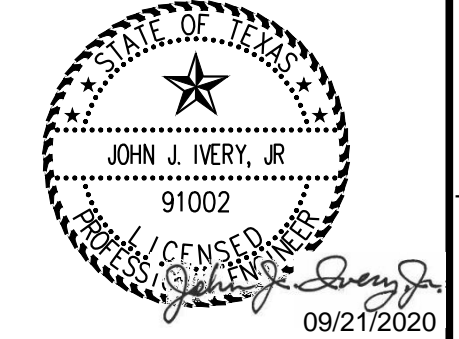
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

**EHRA**  
 ENGINEERING THE FUTURE SINCE 1936  
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 Houston, Texas 77042  
 EHRAInc.com | 713.784.4500  
 TBPE No. F-726 | TBPLS No. 10092300

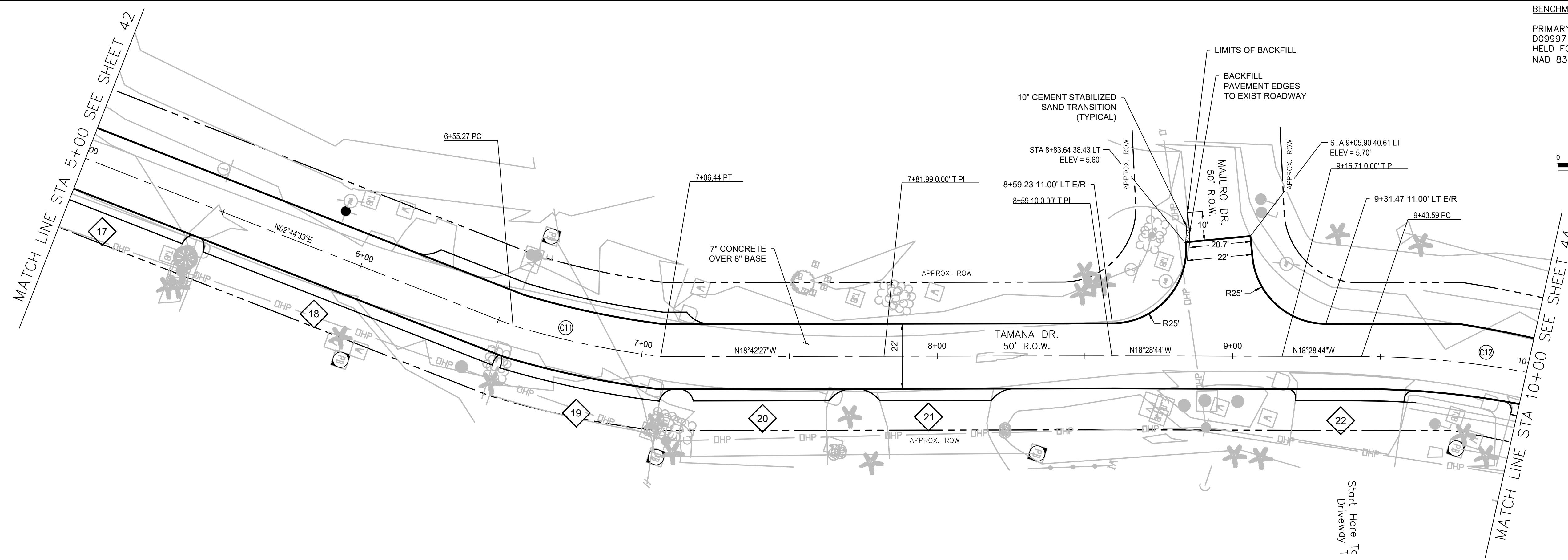
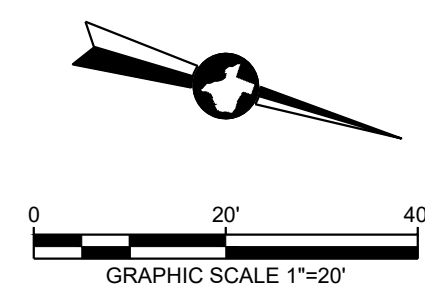


TIKI ISLAND  
 TAMANA DR BEGIN TO 5+00  
 PLAN AND PROFILE

SHEET **42**  
 OF **55**

P:\181-062-00\Drawings\TIKI ISLAND\20-23 TAMANA DR PLAN & PROFILE.dwg Sep 18, 2020 - 8:34am Edited by: cmueliner

BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. 009997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

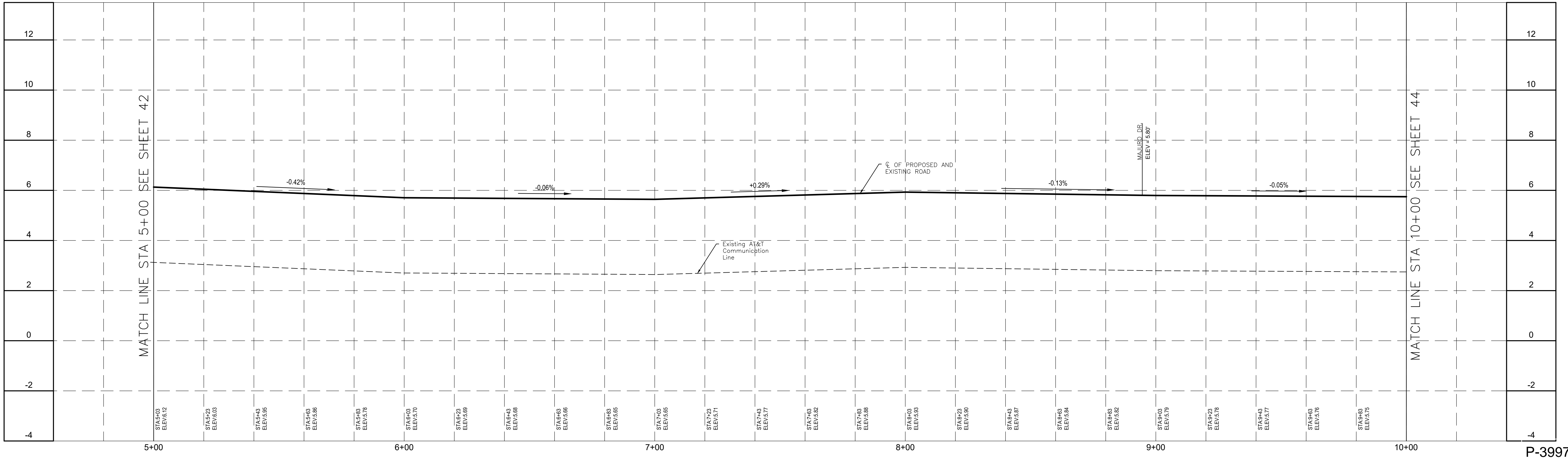
LEGEND

75 DRIVEWAY NUMBERS

CURVE DATA

C11 R = 303.00'  
 $\Delta = 009^{\circ}40'35''$   
 L = 51.17'

C12 R = 300.00'  
 $\Delta = 031^{\circ}05'04''$   
 L = 162.76'



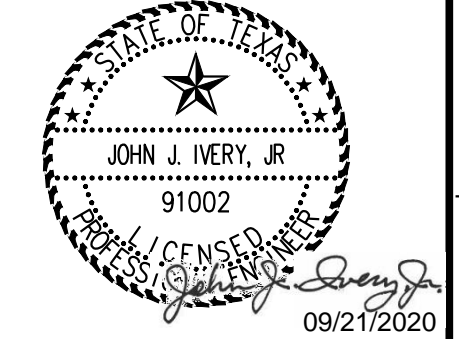
NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
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GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

**EHRA**  
 ENGINEERING THE FUTURE SINCE 1936

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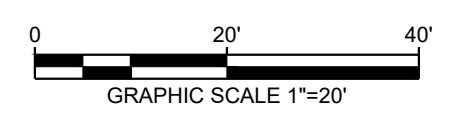
TIKI ISLAND

TAMANA DR 5+00 TO 10+00 PLAN  
 AND PROFILE

SHEET  
**43**  
 OF  
**55**

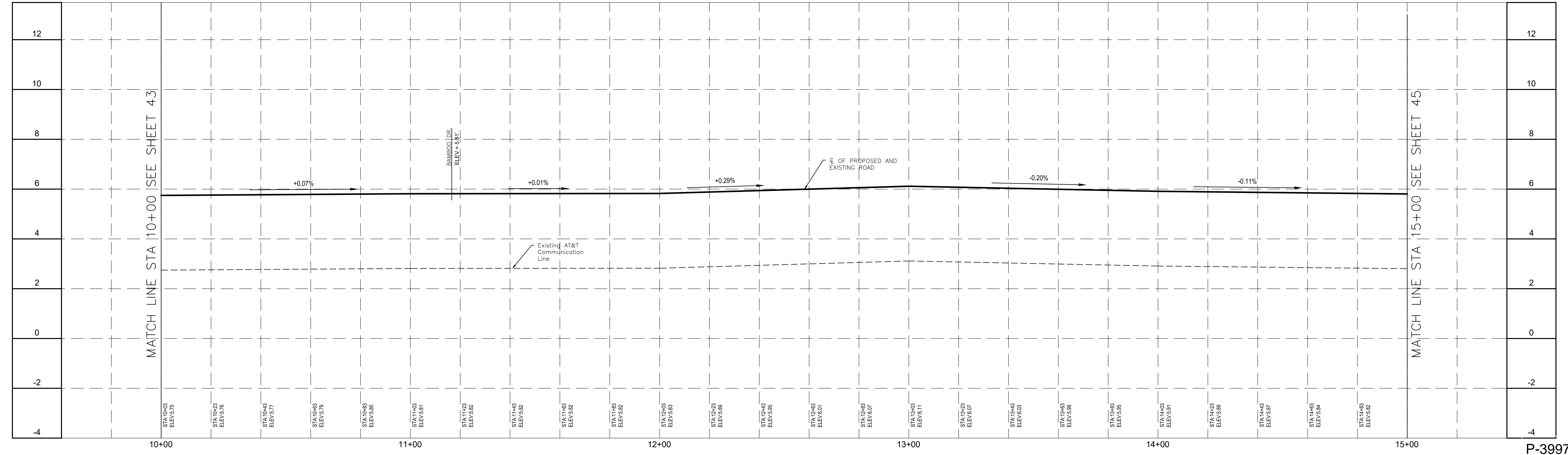
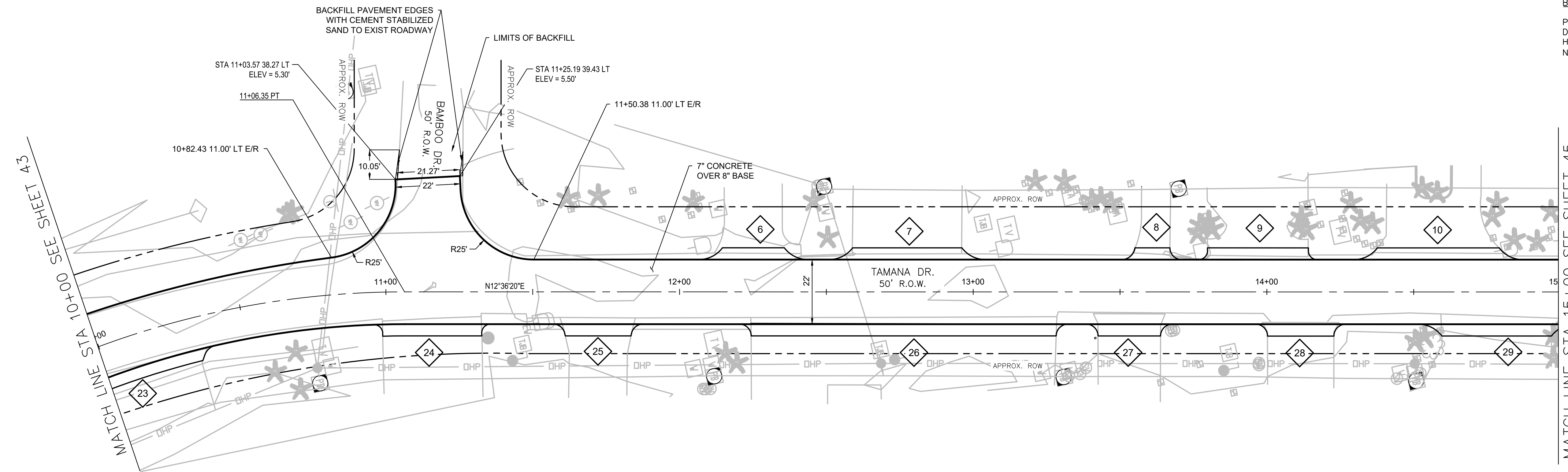
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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

LEGEND  
 ◊ 75 DRIVEWAY NUMBERS



MATCH LINE STA 10+00 SEE SHEET 43

MATCH LINE STA 15+00 SEE SHEET 45

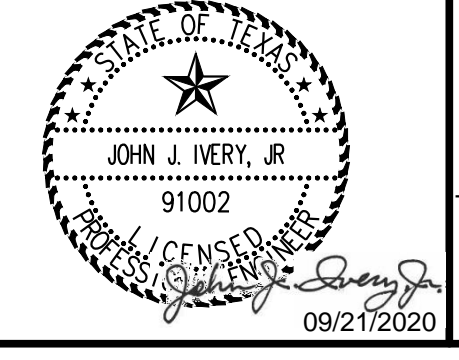
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

**EHRA**  
 ENGINEERING THE FUTURE SINCE 1936  
 10011 Meadowglen Lane  
 Houston, Texas 77042  
 EHRInc.com | 713.784.4500  
 TPE No. F-726 | TBPLS No. 10092300

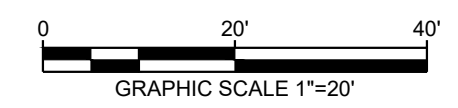
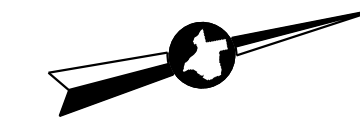


TIKI ISLAND  
 TAMANA DR 10+00 TO 15+00  
 PLAN AND PROFILE

SHEET **44**  
 OF **55**

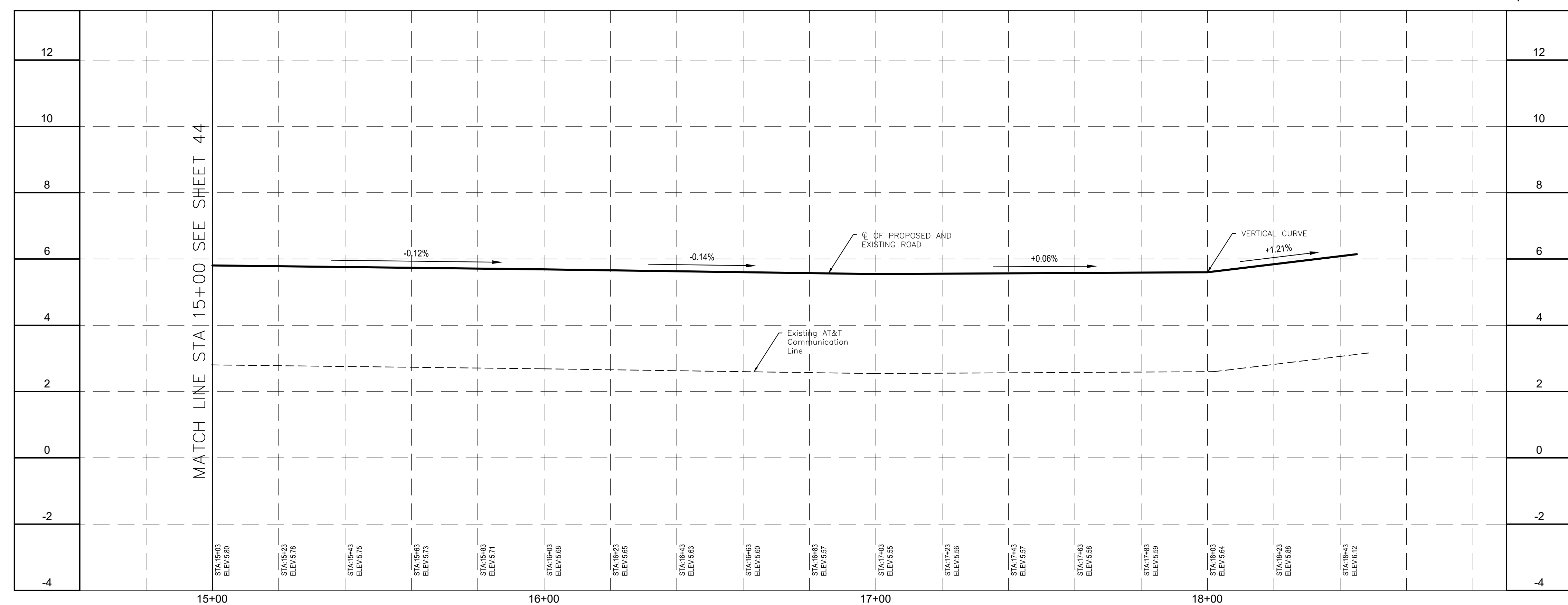
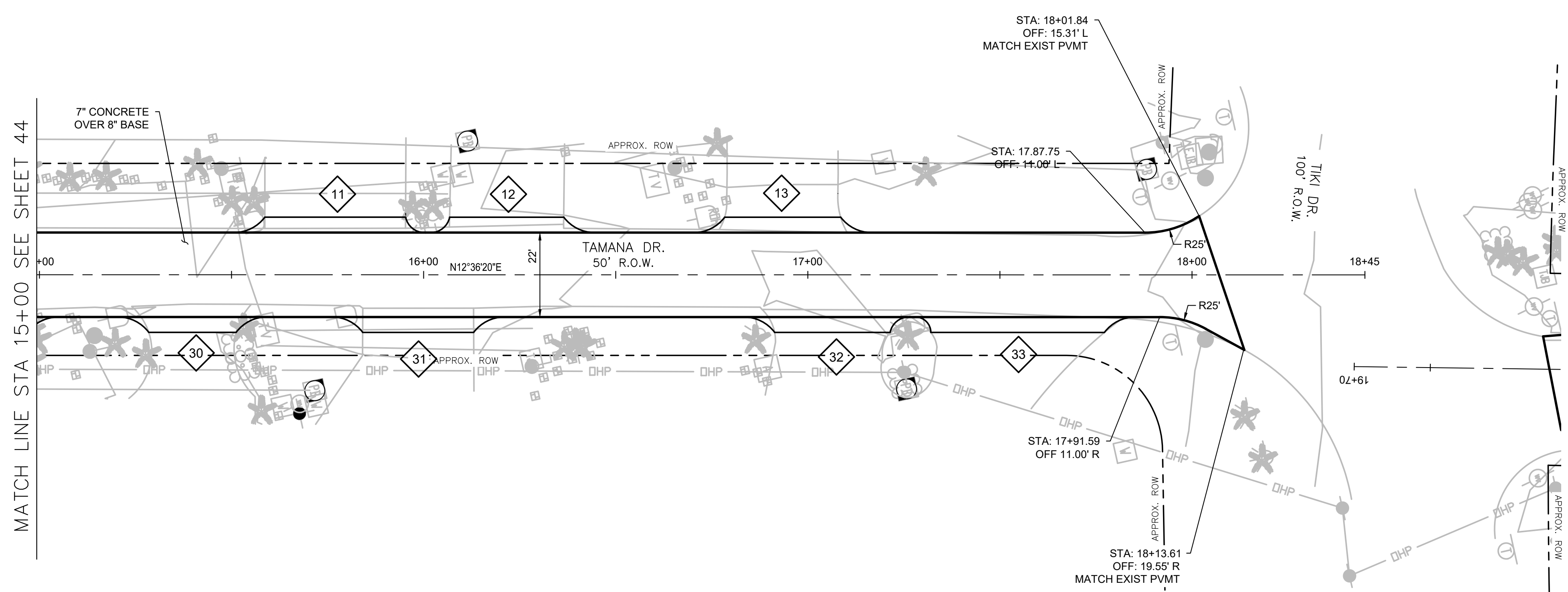
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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:
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  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

LEGEND  
 ◊ 75 DRIVEWAY NUMBERS



MATCH LINE STA 15+00 SEE SHEET 44

MATCH LINE STA 15+00 SEE SHEET 44

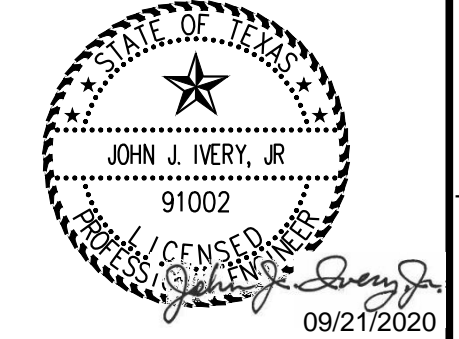
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
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GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

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 10011 Meadowglen Lane  
 Houston, Texas 77042  
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 TBP# No. F-726 | TBPL# No. 10092300

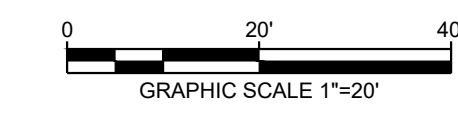
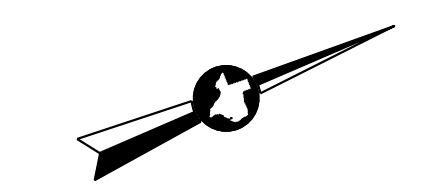


TIKI ISLAND  
 TAMANA DR 15+00 TO END PLAN  
 AND PROFILE

SHEET **45**  
 OF **55**

P:\181-062-00\Drawings\TIKI ISLAND\20-23 TAMANA DR PLAN & PROFILE.dwg Sep 18, 2020 - 8:35am Edited by: cmueliner

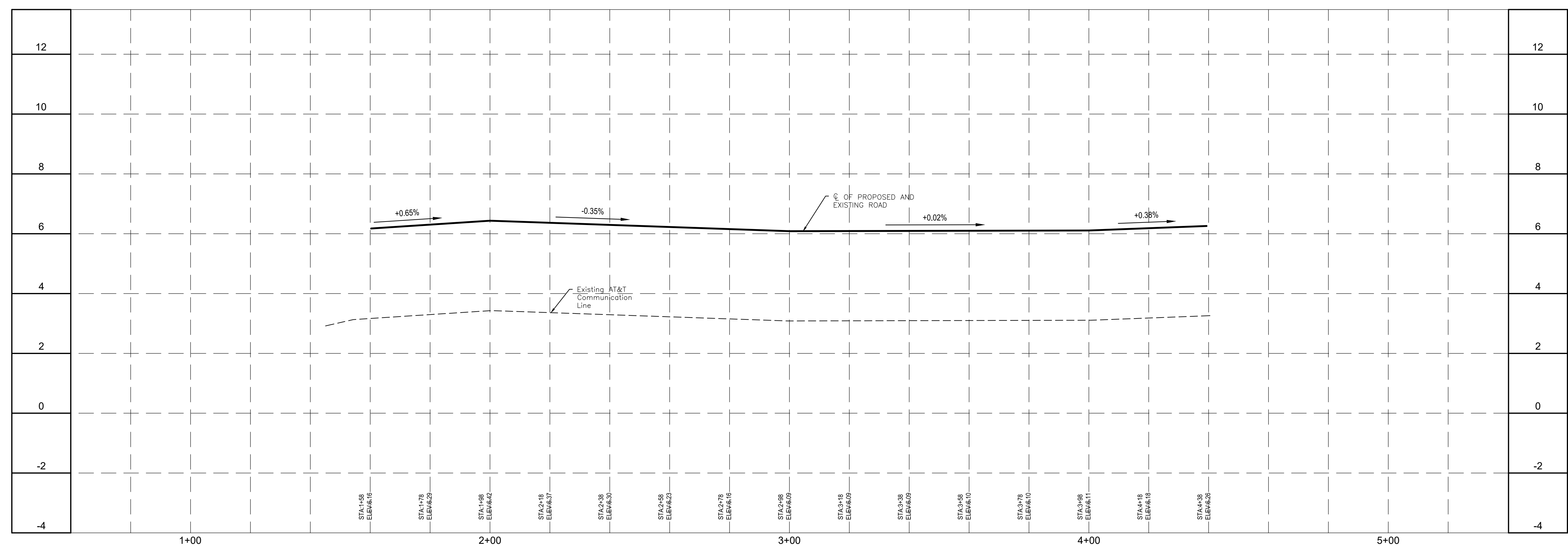
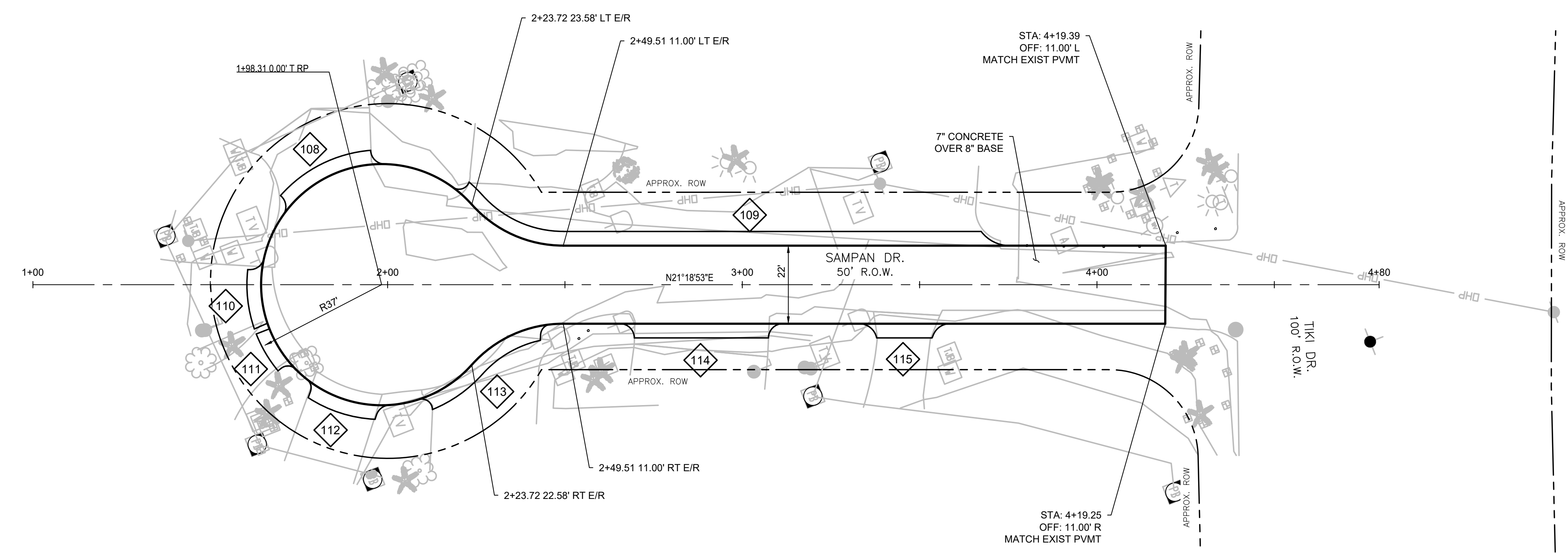
BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



- NOTES:
1. WATER LINE LOCATED IN VICINITY
  2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES

LEGEND

 DRIVEWAY NUMBERS



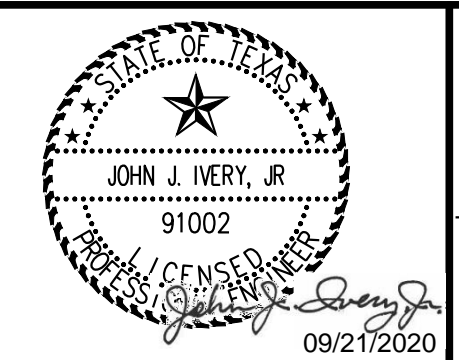
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY:           G.G.            
 DESIGNED BY:           J.I.            
 CHECKED BY:           C.B.            
 APPROVED BY:           J.I.            
 SCALE:           N/A            
 DATE:           08/26/20          

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

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 ENGINEERING THE FUTURE SINCE 1936  
 10011 Meadowglen Lane  
 Houston, Texas 77042  
 EHRAInc.com | 713.784.4500  
 TBP# No. F-726 | TBP#5 No. 10092300

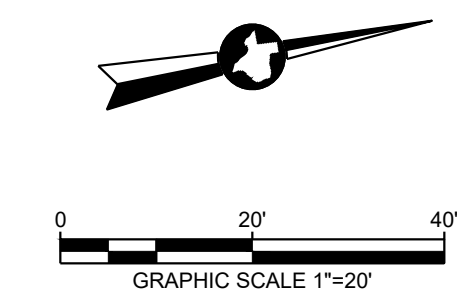


TIKI ISLAND  
 SAMPAN DR BEGIN TO END PLAN  
 AND PROFILE

SHEET **46**  
 OF **55**

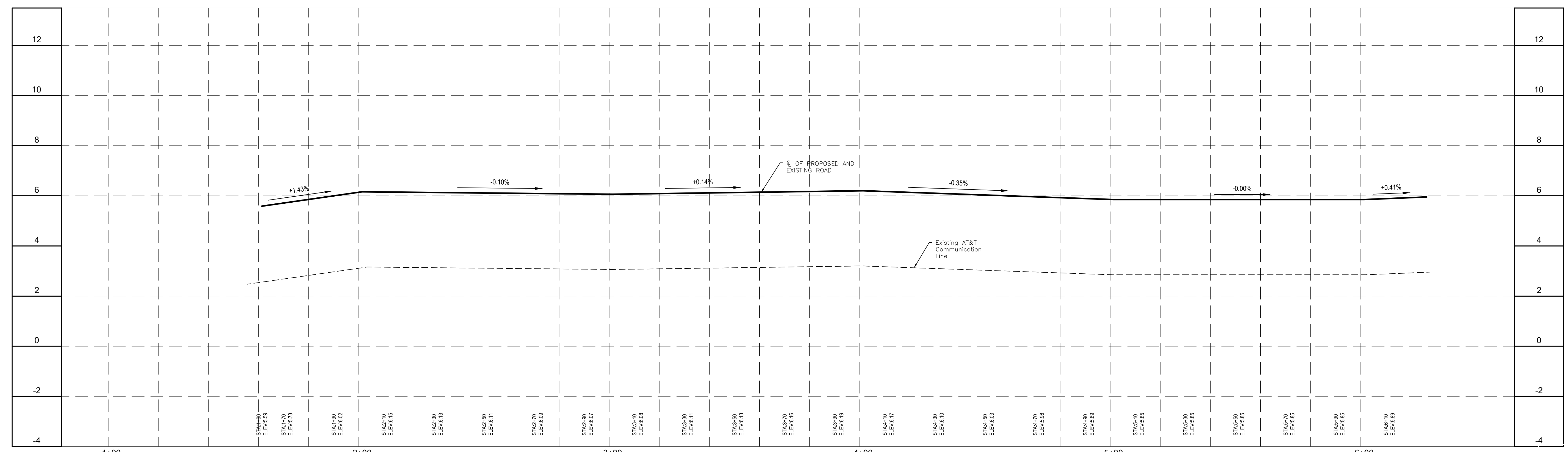
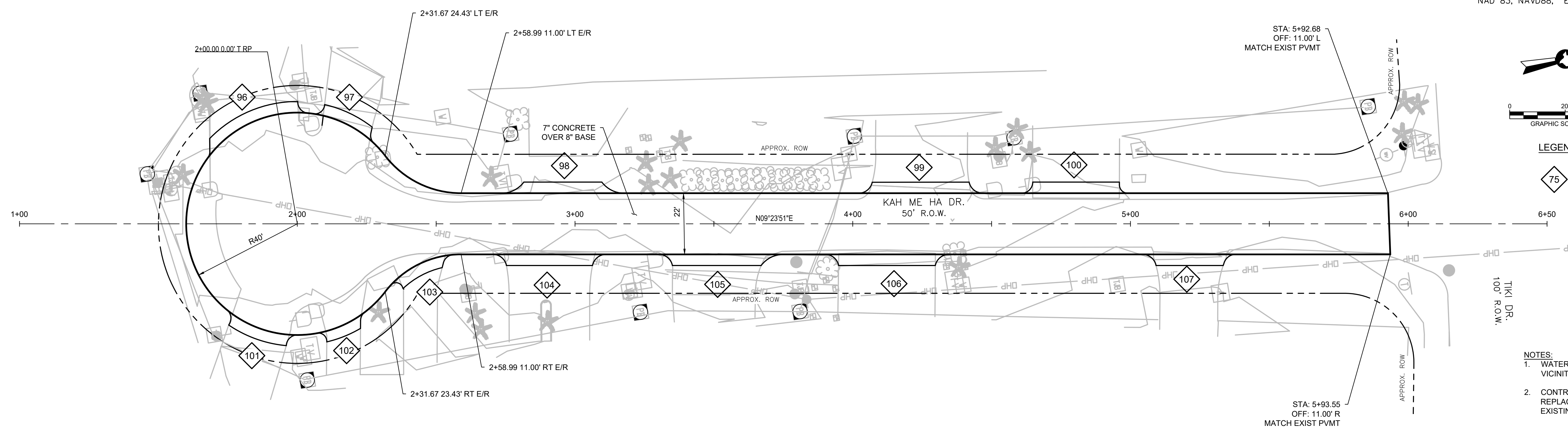
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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



LEGEND  
 75 DRIVEWAY NUMBERS

NOTES:  
 1. WATER LINE LOCATED IN VICINITY  
 2. CONTRACTOR TO REPLACE AND RELOCATE EXISTING MAILBOXES



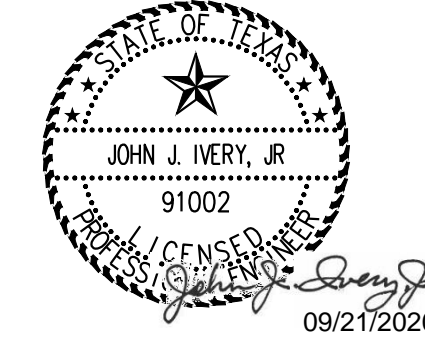
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

**EHRA**  
 ENGINEERING THE FUTURE SINCE 1936  
 10011 Meadowglen Lane  
 Houston, Texas 77042  
 EHRAInc.com | 713.784.4500  
 TBPE No. F-726 | TBPLS No. 10092300

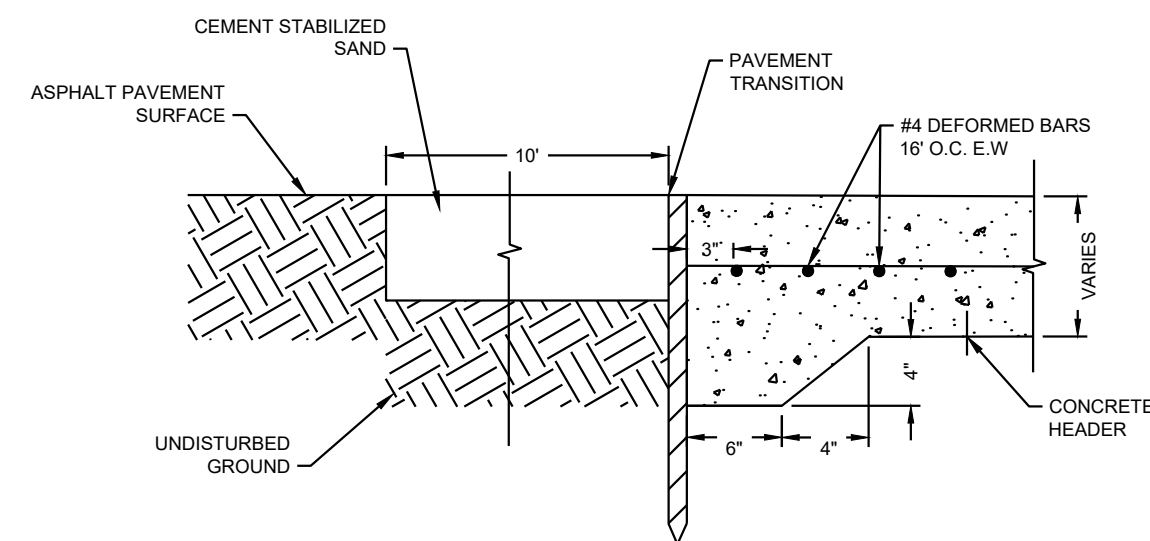


TIKI ISLAND  
 KAH ME HA DR BEGIN TO END  
 PLAN AND PROFILE

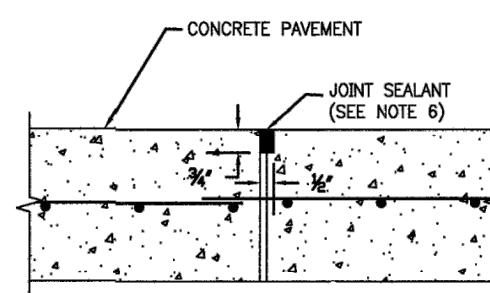
SHEET **47**  
 OF **55**

P:\181-062-00\Drawings\TIKI ISLAND\34 KA ME HA DR PLAN & PROFILE.dwg Sep 18, 2020 - 8:35am Edited by: crueliner

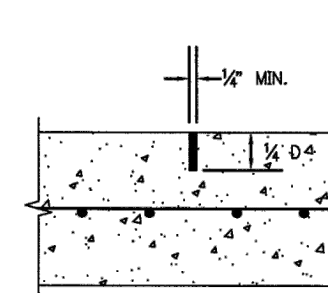
BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



BACKFILL PAVEMENT EDGES

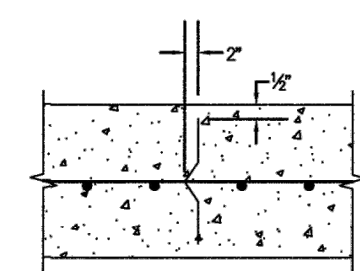


CONSTRUCTION JOINT

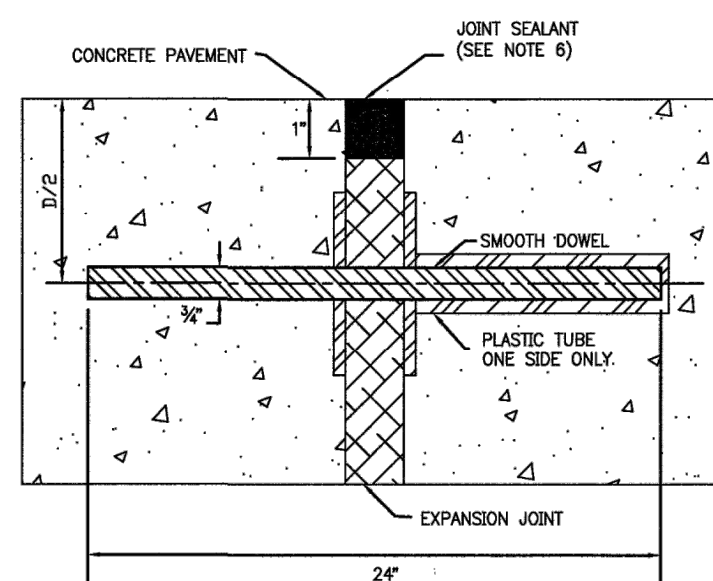


CONTRACTION JOINT

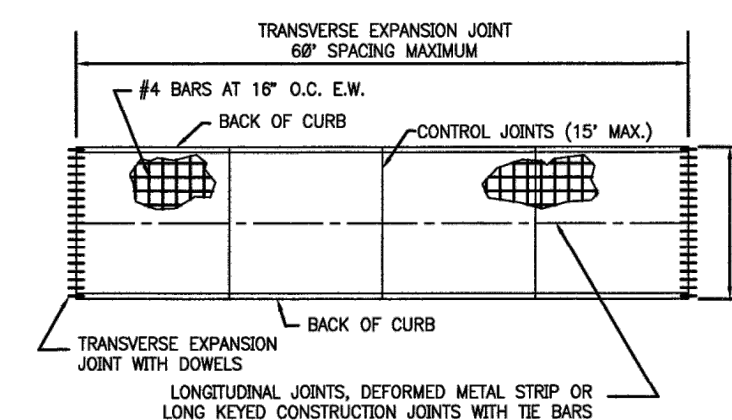
NOTES:  
 1. D = DEPTH OF CONCRETE.  
 2. SAW-CUT CONTRACTION JOINT TO DIMENSIONS SHOWN.



DEFORMED METAL STRIP

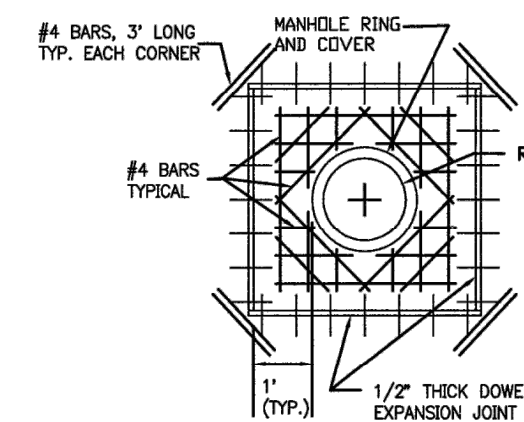


DOWEL EXPANSION JOINT

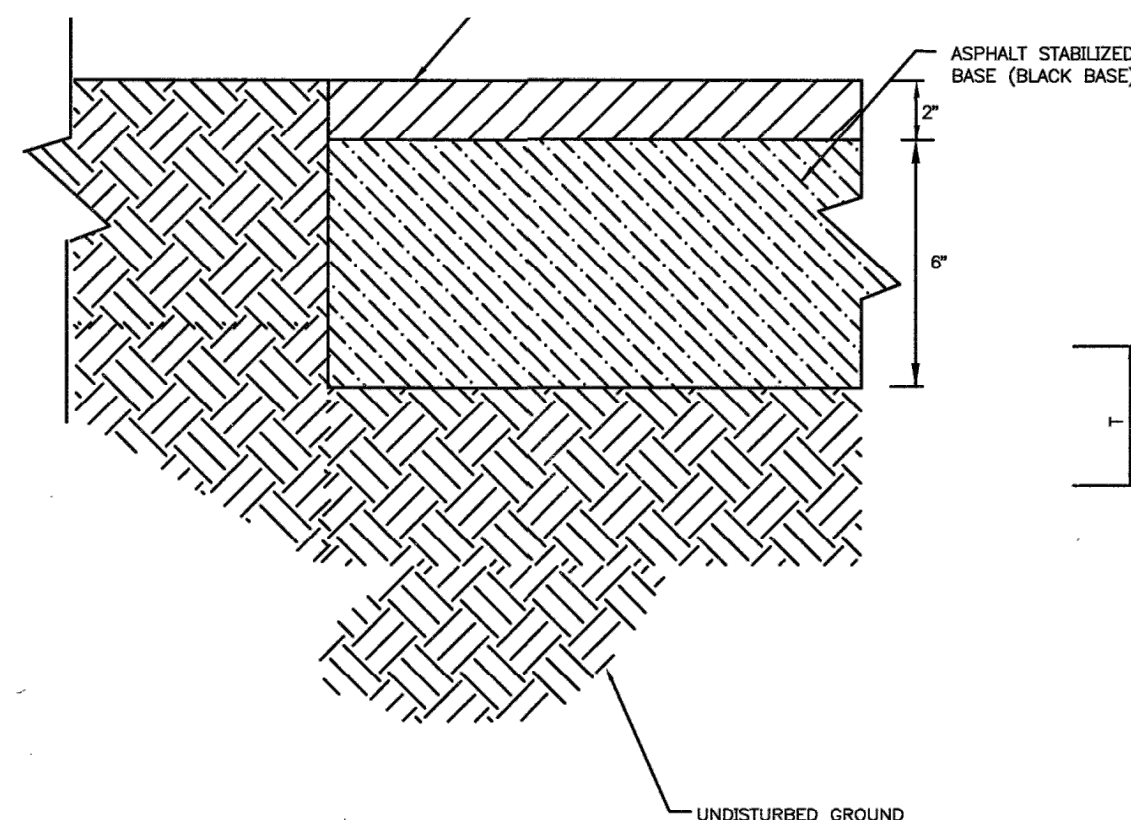


PAVING PANEL

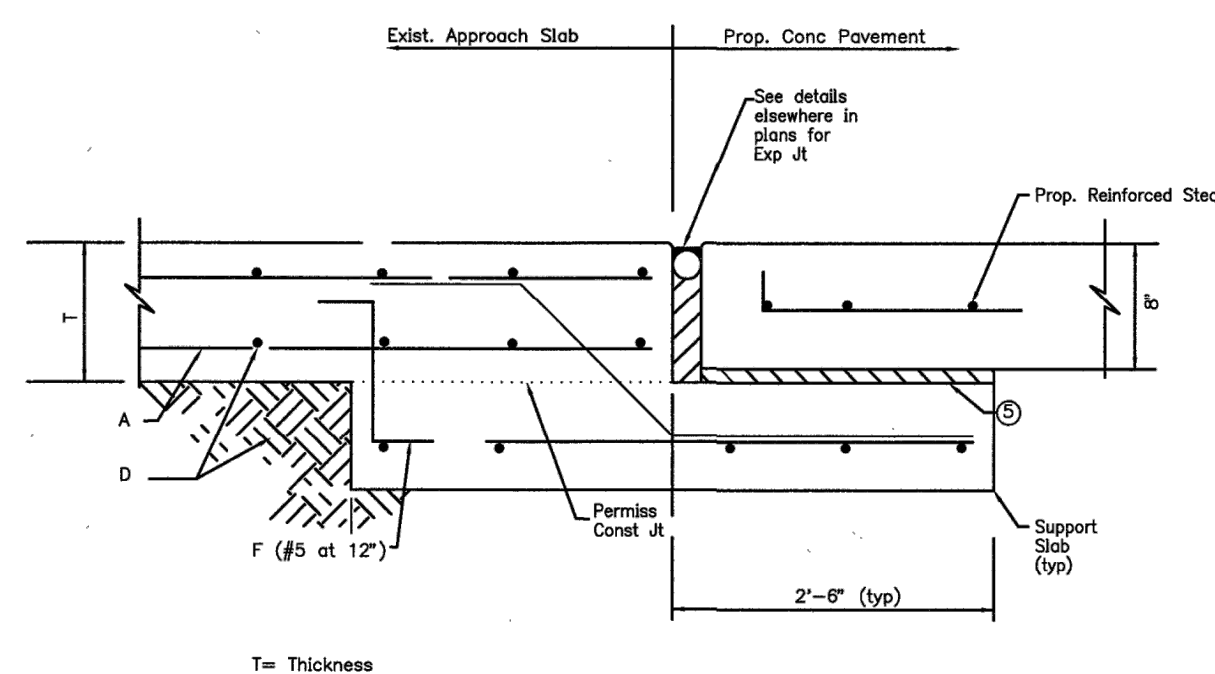
- NOTES:
- CANTILEVER TYPE, CAST MALLEABLE IRON LOAD TRANSMISSION UNIT-STARLUG MODEL D-27 OR EQUAL ON 22" O.C., ARE ACCEPTABLE ALTERNATIVES.
  - EXPANSION JOINT TO BE PLACED AT THE END OF EACH CURB RADIUS AND SPACED A MINIMUM OF 40'-0" APART. MATCH TO EXPANSION JOINTS IN PAVING PANELS.
  - STAKES FOR TRANSVERSE JOINTS SHALL NOT BE PLACED CLOSER THAN 6" TO A LONGITUDINAL JOINT. THE TOP OF STAKE SHALL NOT BE LESS THAN 1/2" BELOW THE FINISH SURFACE.
  - LOCATION OF CONSTRUCTION JOINTS AND DEFORMED STRIPS MAY BE VARIED WITH THE APPROVAL OF THE CITY, TO SUIT PROPOSED CONSTRUCTION OF THE CONTRACTOR.
  - CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 15'-0". JOINTS AND SEALANTS SHALL ADHERE TO CITY OF FRIENDSWOOD TECHNICAL SPECIFICATION #2848 - CONCRETE PAVEMENT JOINTS.



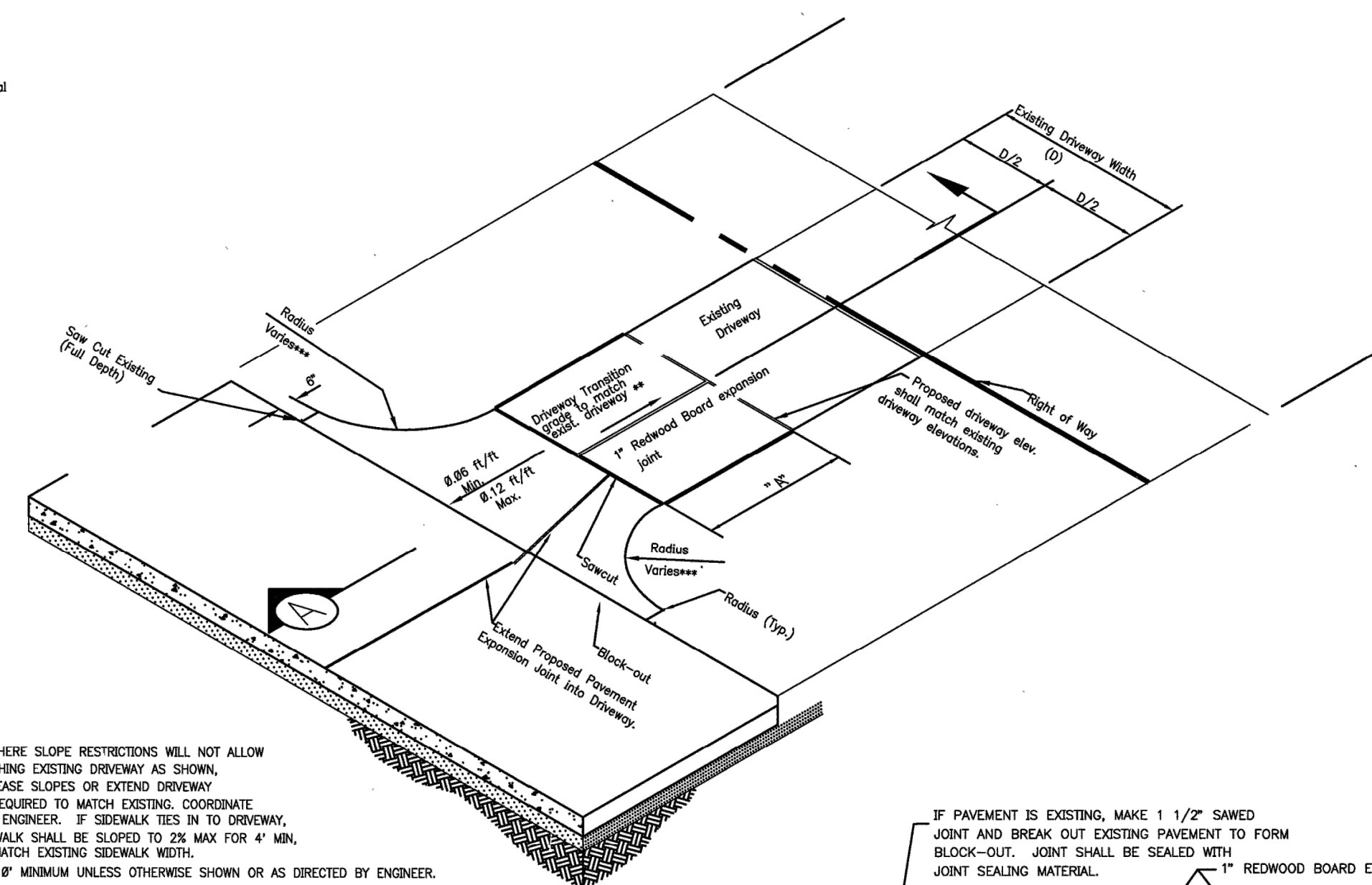
MANHOLE BLOCKOUT



TEMPORARY ASPHALT PAVEMENT

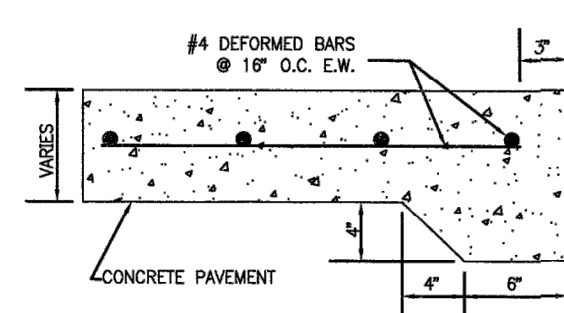


BRIDGE APPROACH SLAB DETAIL

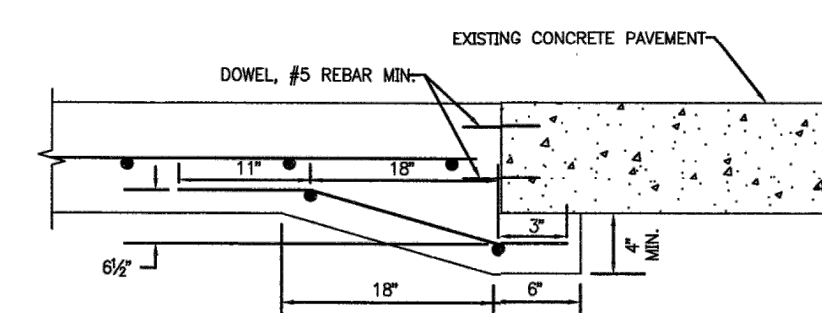


DRIVEWAY CONNECTION DETAIL

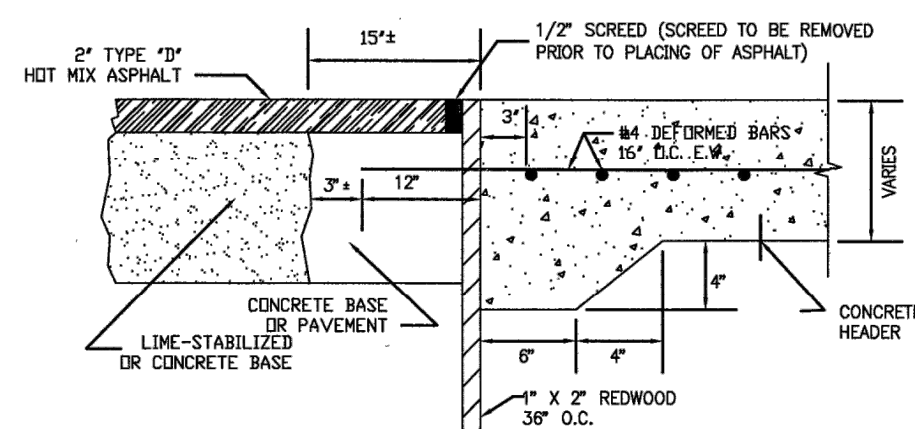
\*\* WHERE SLOPE RESTRICTIONS WILL NOT ALLOW MATCHING EXISTING DRIVEWAY AS SHOWN, INCREASE SLOPES OR EXTEND DRIVEWAY AS REQUIRED TO MATCH EXISTING. COORDINATE WITH ENGINEER. IF SIDEWALK TIES IN TO DRIVEWAY, SIDEWALK SHALL BE SLOPED TO 2% MAX FOR 4' MIN. OR MATCH EXISTING SIDEWALK WIDTH.  
 \*\*\* 18" MINIMUM UNLESS OTHERWISE SHOWN OR AS DIRECTED BY ENGINEER.



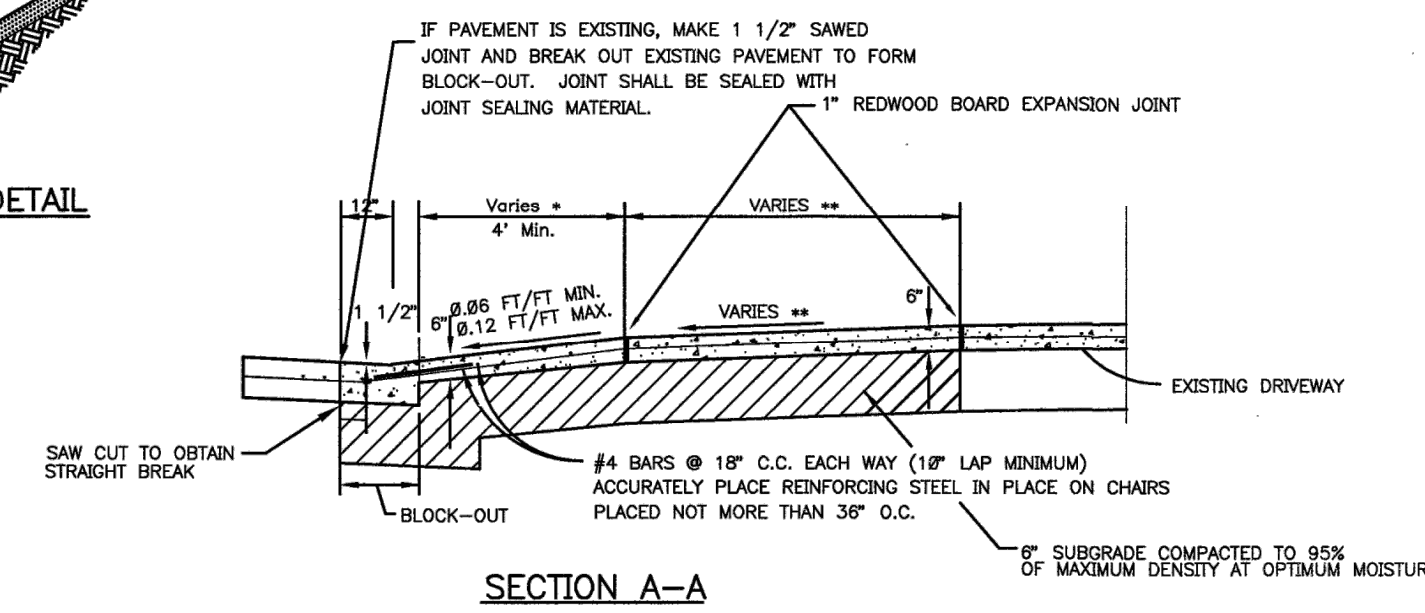
CONCRETE PAVING HEADER



UNDERCUT DETAIL



ASPHALT PAVING HEADER



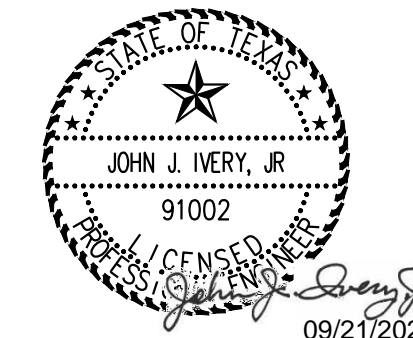
SECTION A-A

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

**EHRA**  
 ENGINEERING THE FUTURE SINCE 1936  
 10011 Meadowglen Lane  
 Houston, Texas 77042  
 EHRAInc.com | 713.784.4500  
 TBP# No. F-726 | TBPL# No. 10092300



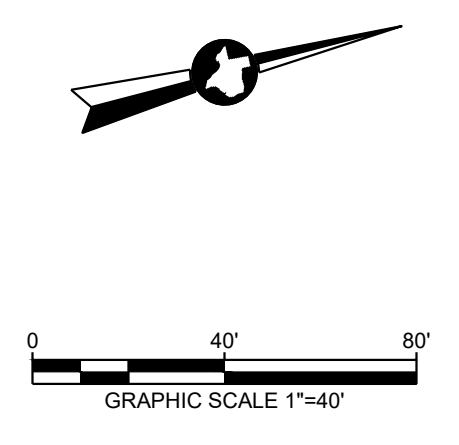
TIKI ISLAND  
 STANDARD PAVING DETAILS

SHEET  
**48**  
 OF  
**55**

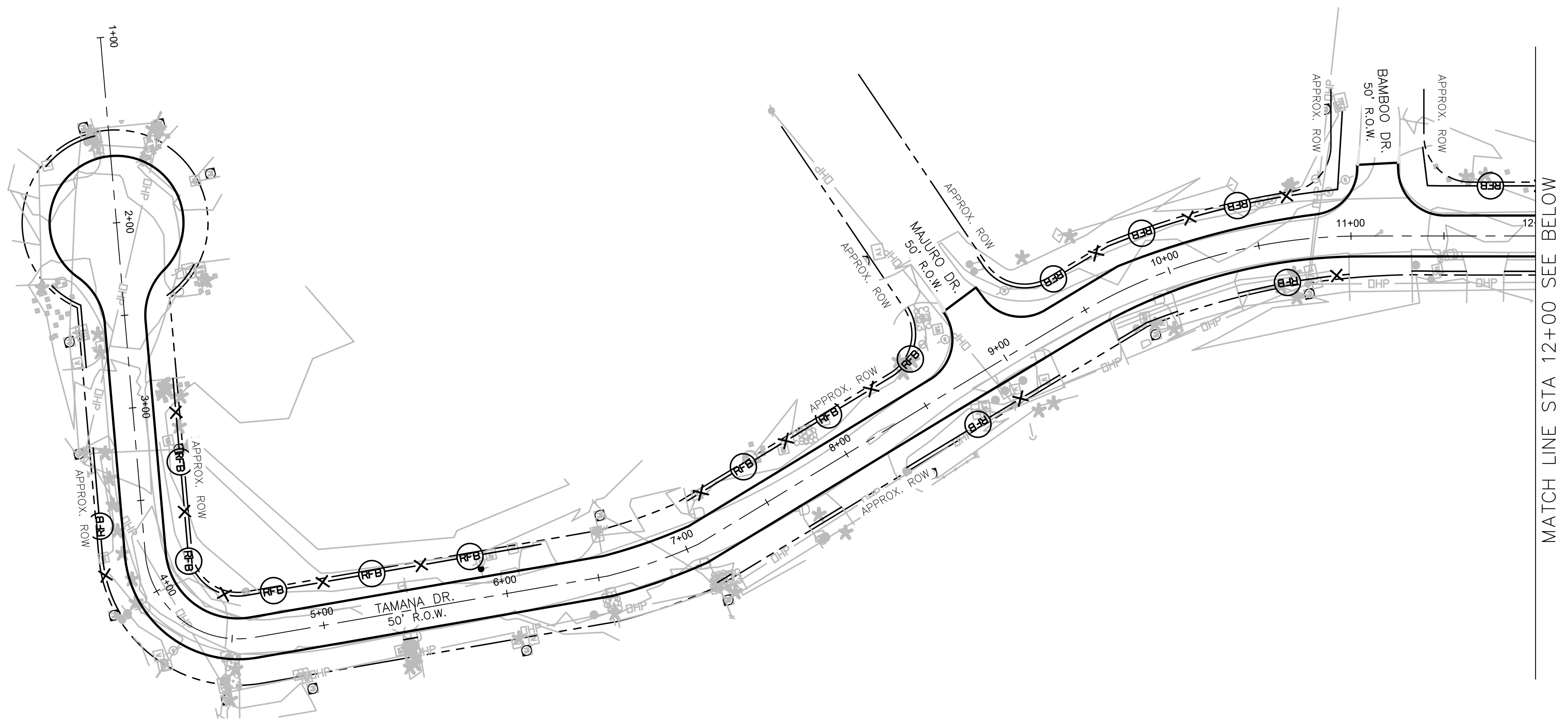
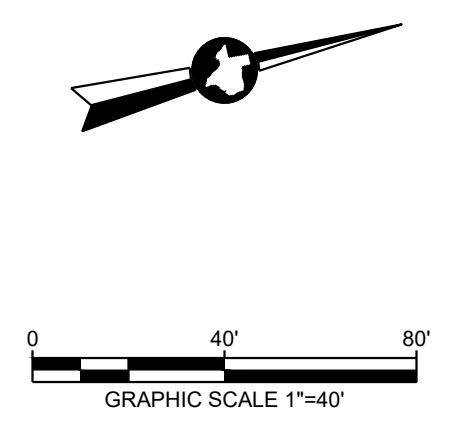
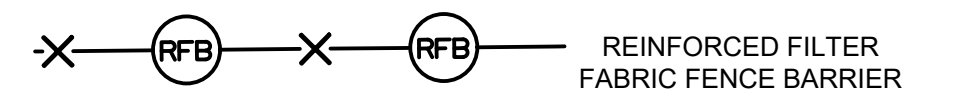
P-3997



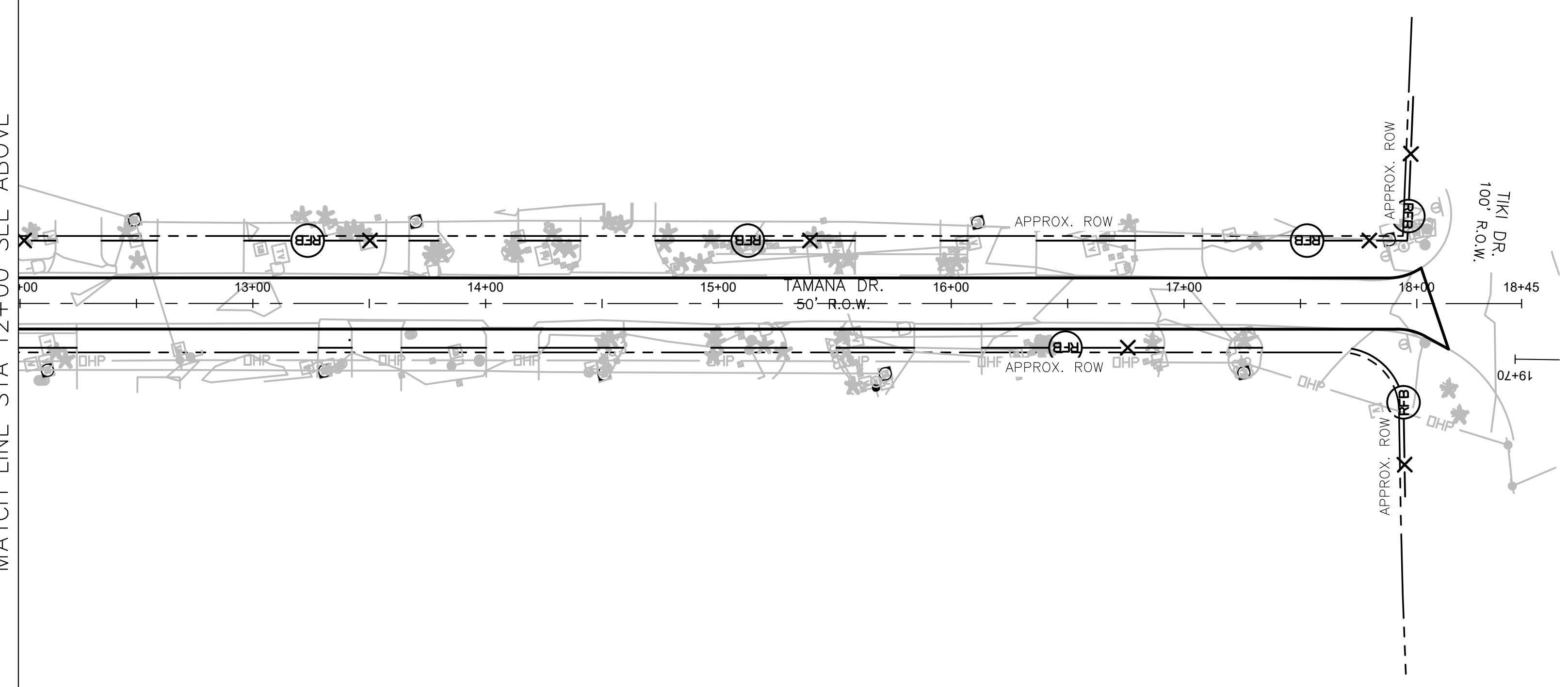
BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO.  
 D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



LEGEND



MATCH LINE STA 12+00 SEE ABOVE



P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
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GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

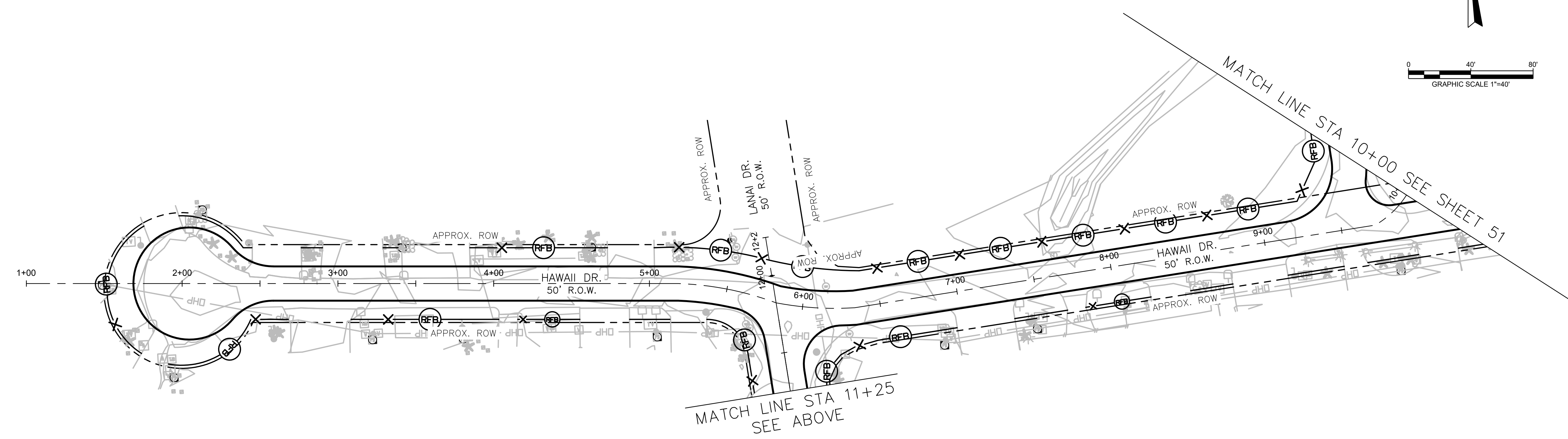
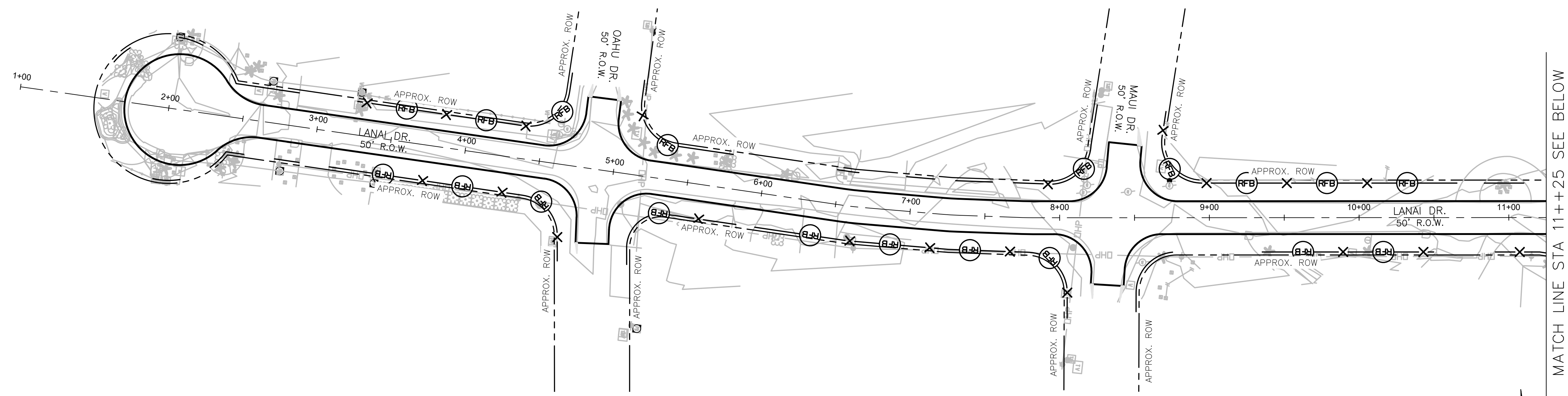
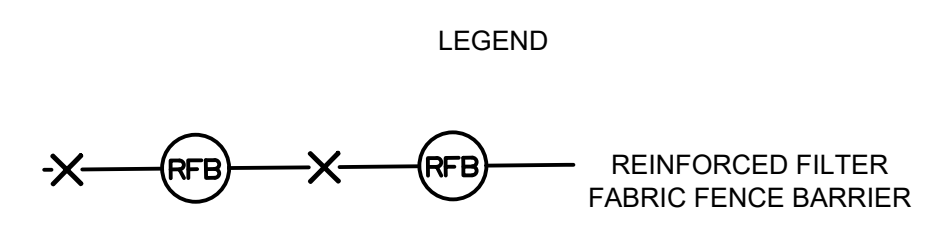
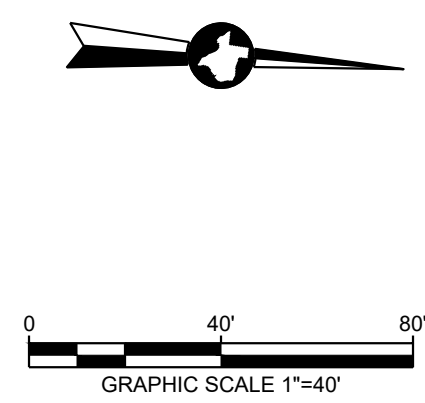
**EHRA**  
 ENGINEERING THE FUTURE SINCE 1896  
 10011 Meadowglen Lane  
 Houston, Texas 77042  
 EHRInc.com | 713.784.4500  
 TBPE No. F-726 | TBPLS No. 10092300

TIKI ISLAND  
 SWPPP SHEET 1 OF 5

SHEET  
**49**  
 OF  
**55**

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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



P-3997

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GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

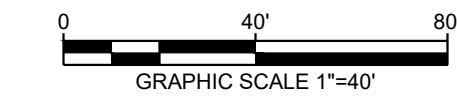
10011 Meadowglen Lane  
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 EHRAInc.com | 713.784.4500  
 TBPE No. F-726 | TBPLS No. 10092300

TIKI ISLAND  
 SWPPP SHEET 2 OF 5

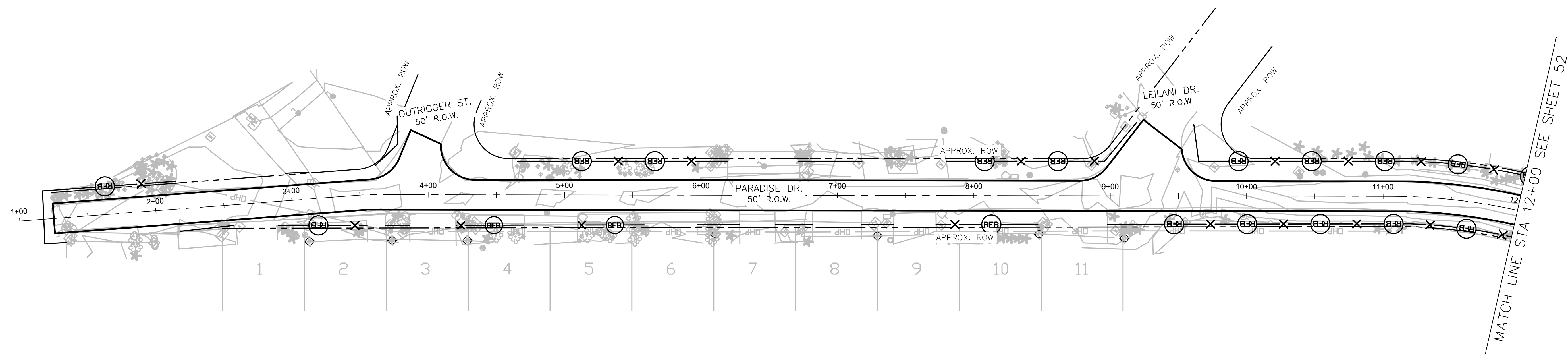
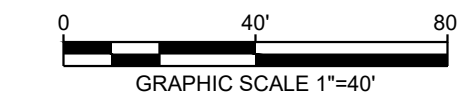
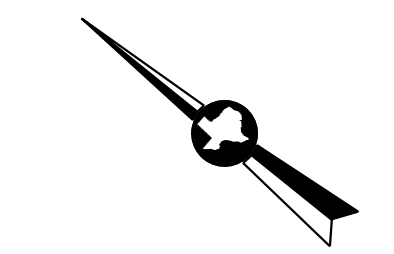
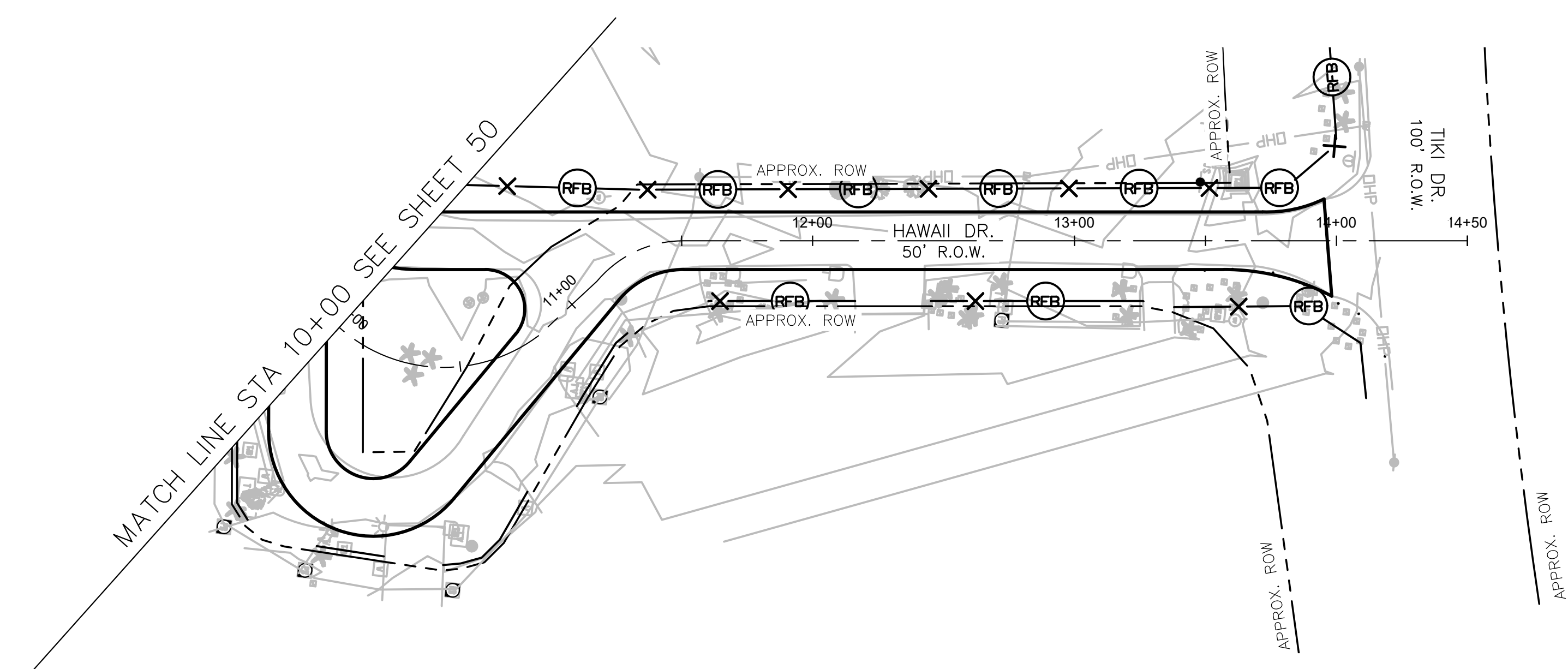
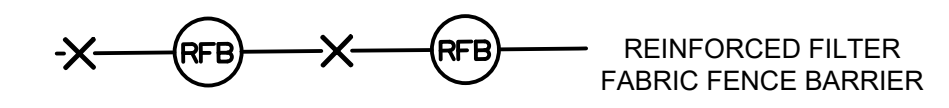
SHEET  
**50**  
 OF  
**55**

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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO.  
 D09997  
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LEGEND



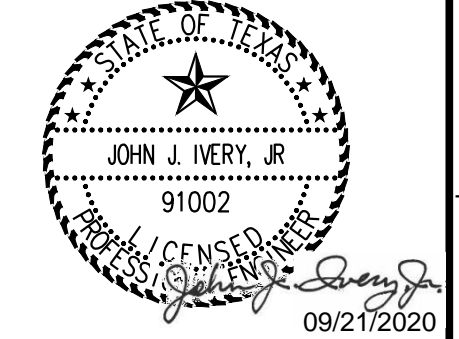
P-3997

NO.	REVISIONS	DATE	NAME

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GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

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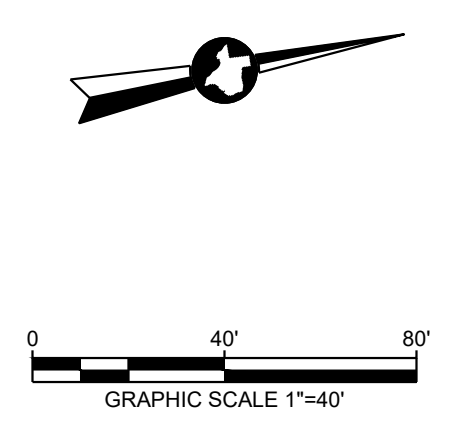
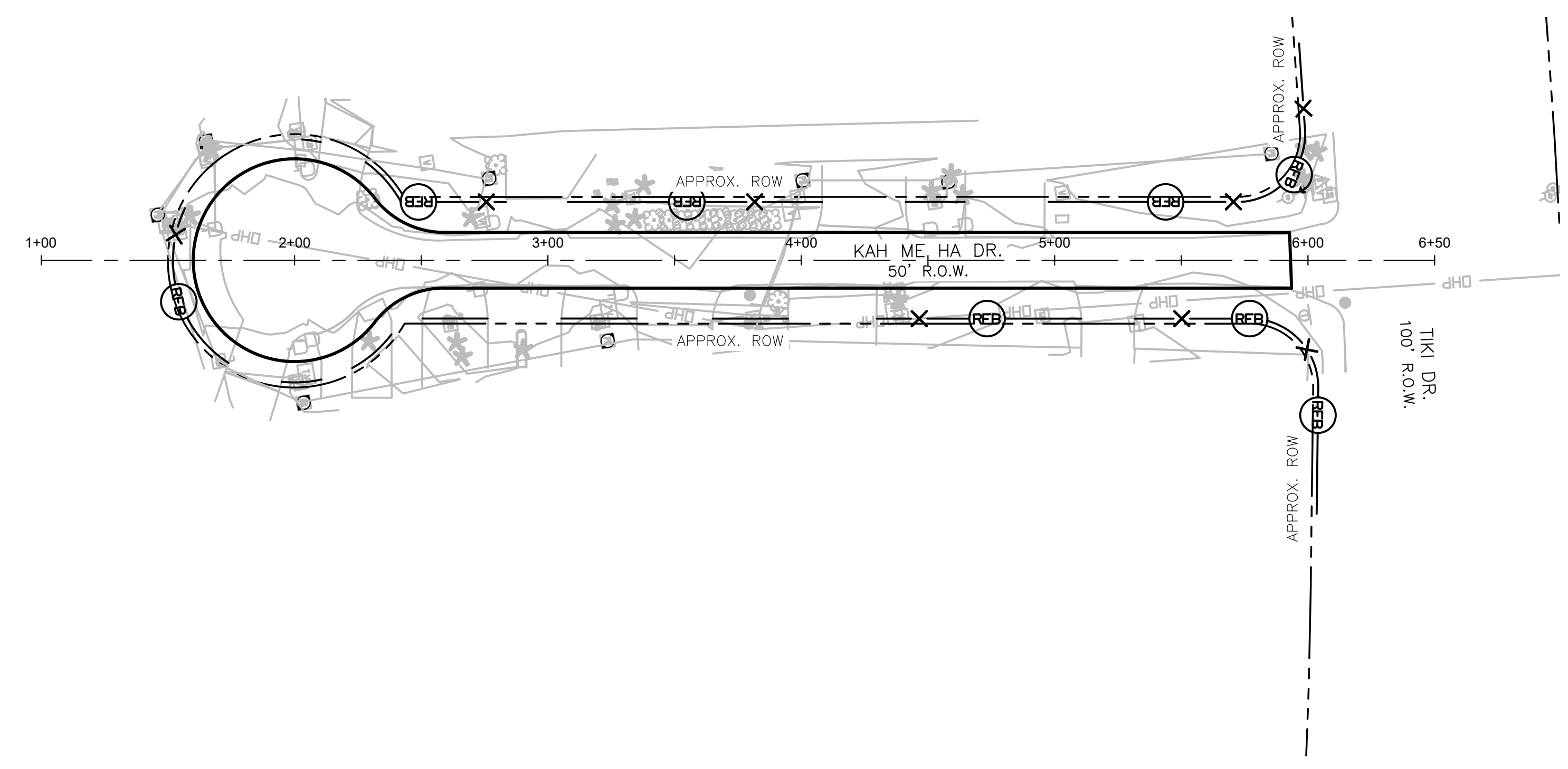
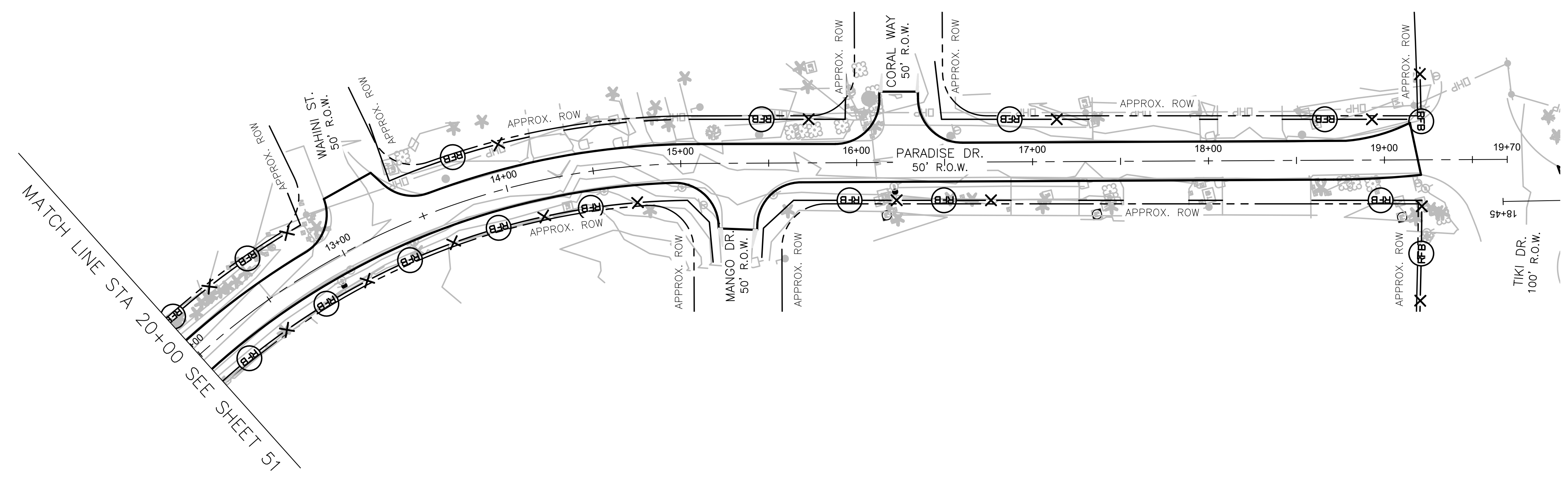
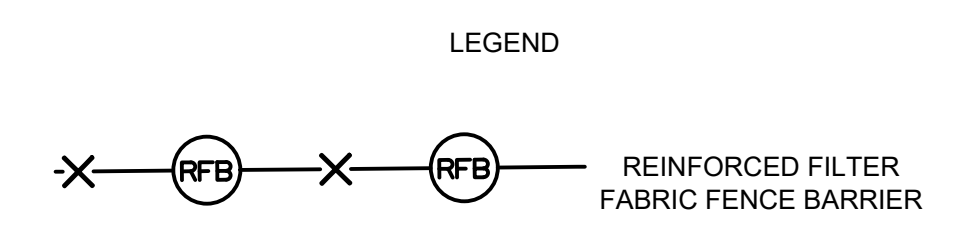
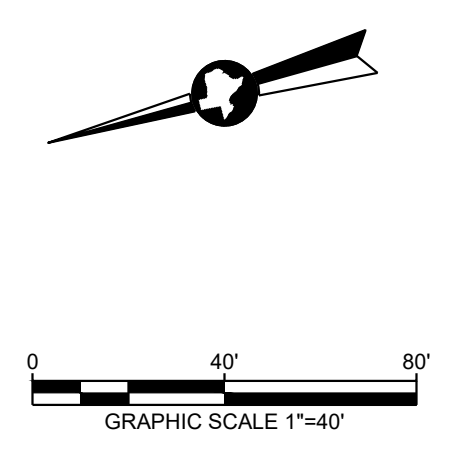


TIKI ISLAND  
 SWPPP SHEET 3 OF 5

SHEET  
**51**  
 OF  
**55**

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BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO. D09997  
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P-3997

NO.	REVISIONS	DATE	NAME

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 SCALE: N/A  
 DATE: 08/26/20

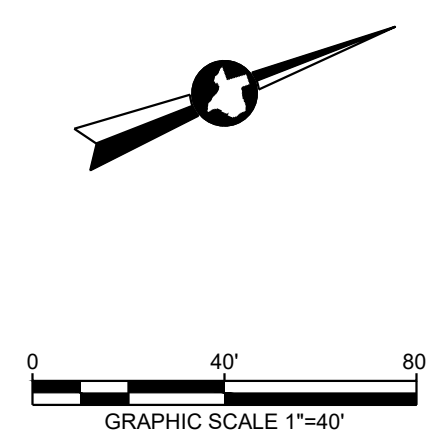
GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

TIKI ISLAND  
 SWPPP SHEET 4 OF 5

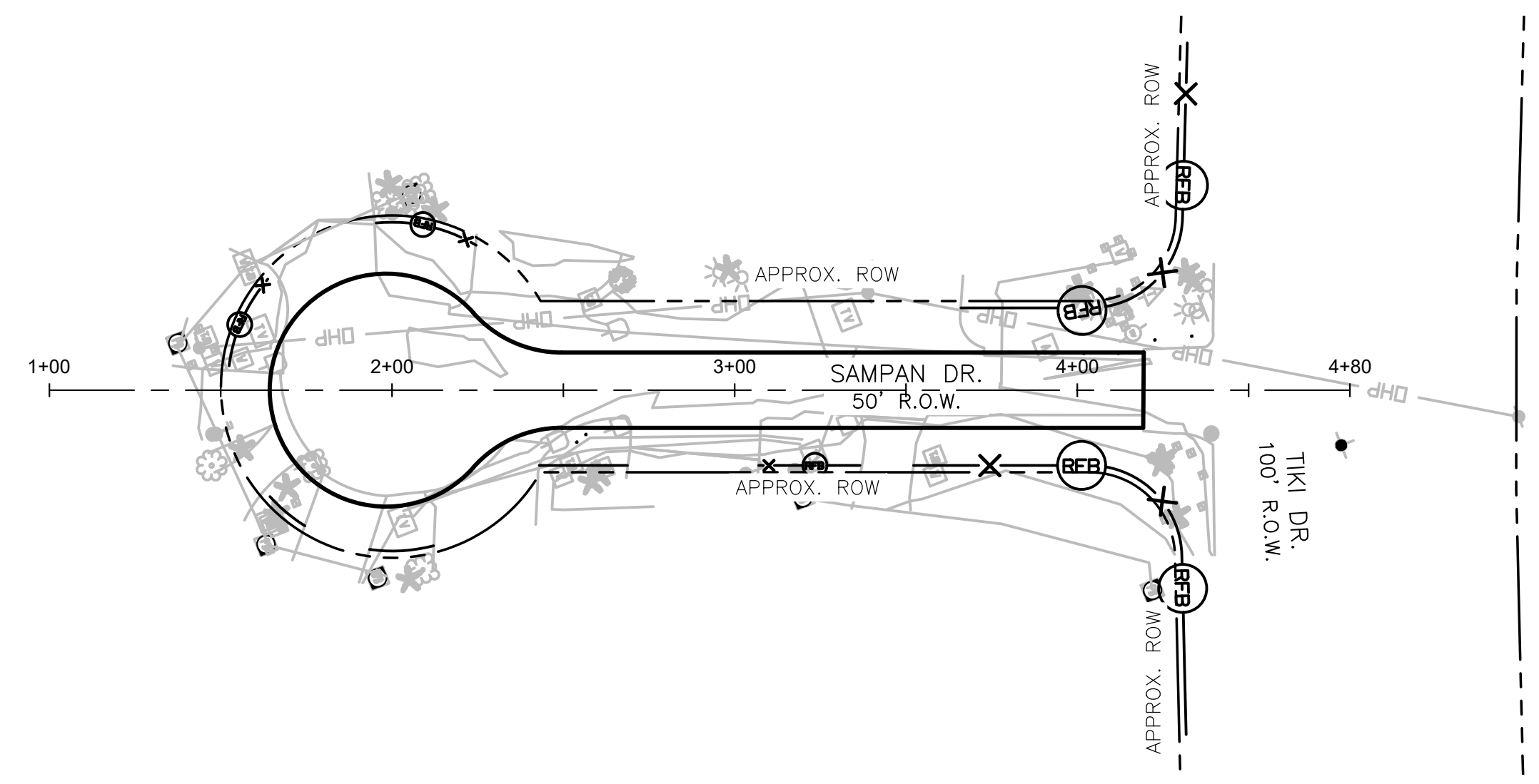
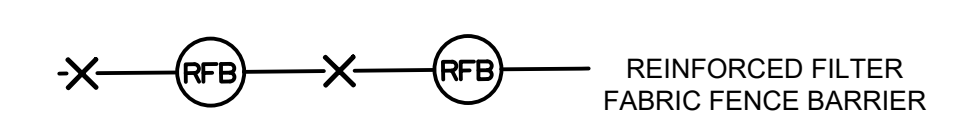
SHEET 52  
 OF 55

P:\181-062-00\Drawings\TIKI ISLAND\15-19 SWPPP SHEETS.dwg Sep 18, 2020-8:36am Edited by: cmueliner

BENCHMARK  
 PRIMARY BENCHMARK: NGS RM NO.  
 D09997  
 HELD FOR HORIZONTAL AND VERTICAL  
 NAD 83, NAVD88, ELEVATION = 11.9'



LEGEND



P-3997

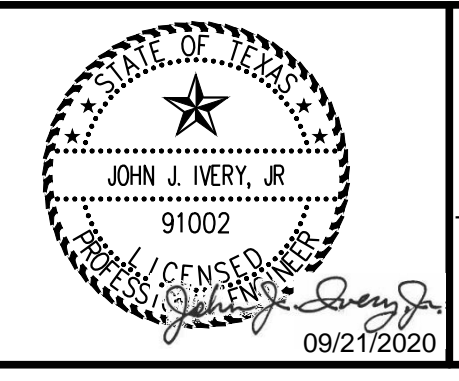
NO.	REVISIONS	DATE	NAME

DRAWN BY:           G.G.            
 DESIGNED BY:           J.I.            
 CHECKED BY:           C.B.            
 APPROVED BY:           J.I.            
 SCALE:           N/A            
 DATE:           08/26/20          

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT

**EHRA**  
 ENGINEERING THE FUTURE  
 SINCE 1936

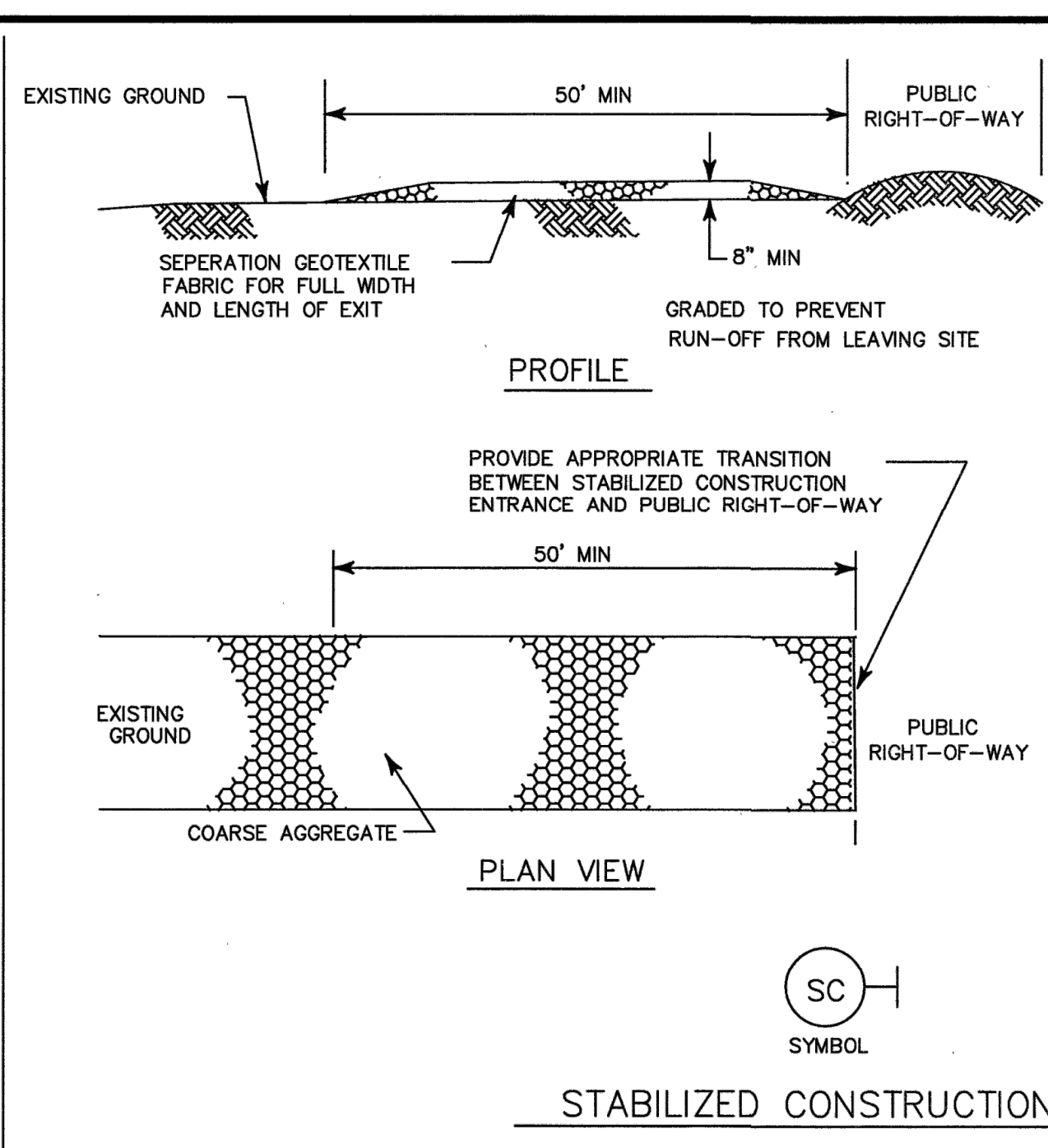
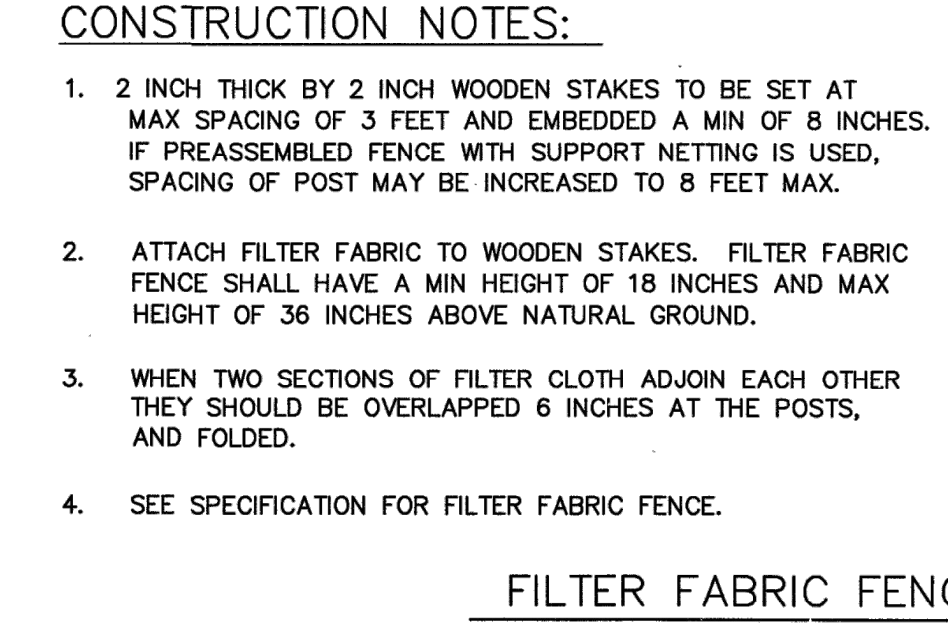
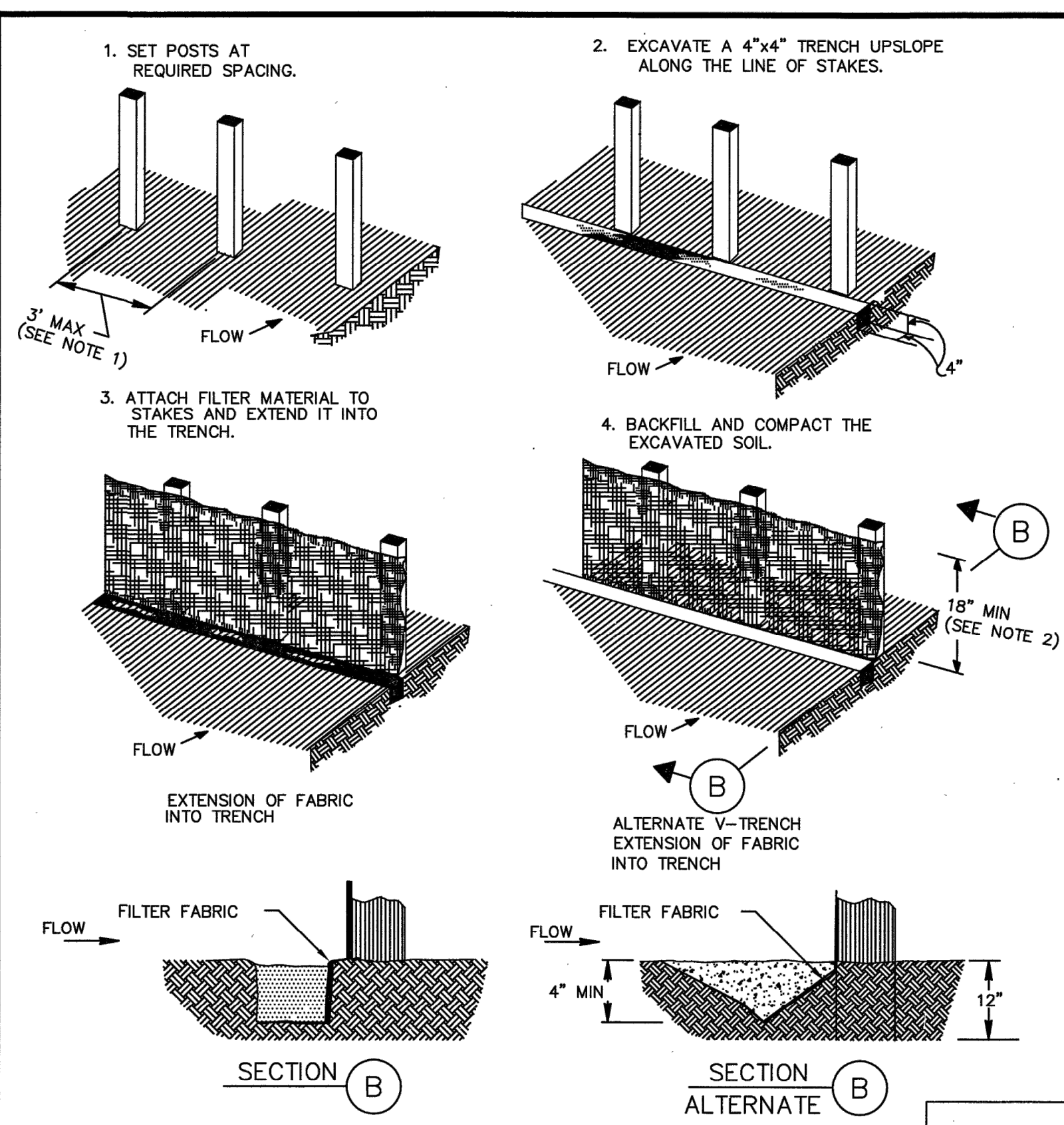
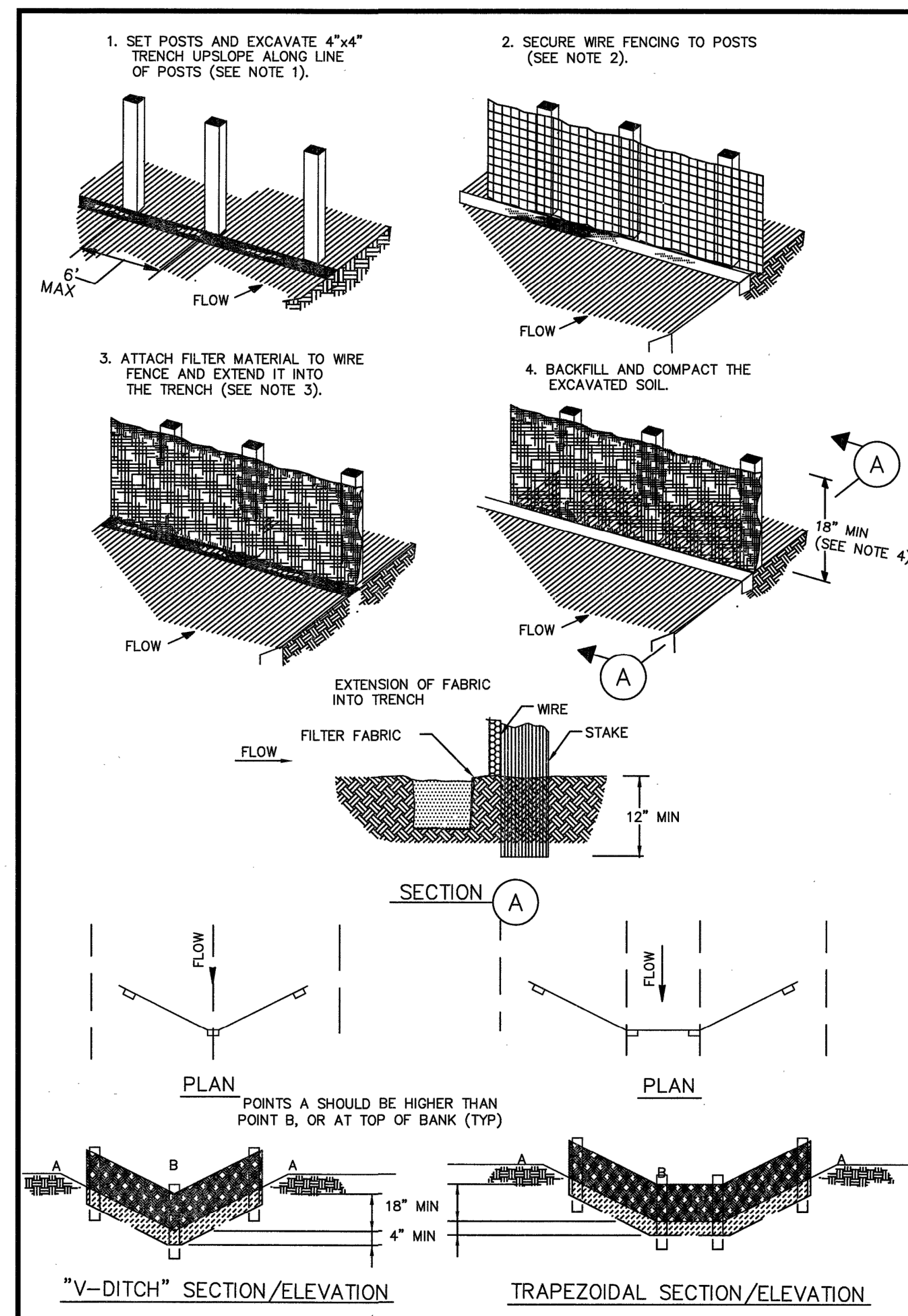
10011 Meadowglen Lane  
 Houston, Texas 77042  
 EHRainc.com | 713.784.4500  
 TBPE No. F-726 | TBPLS No. 10092300



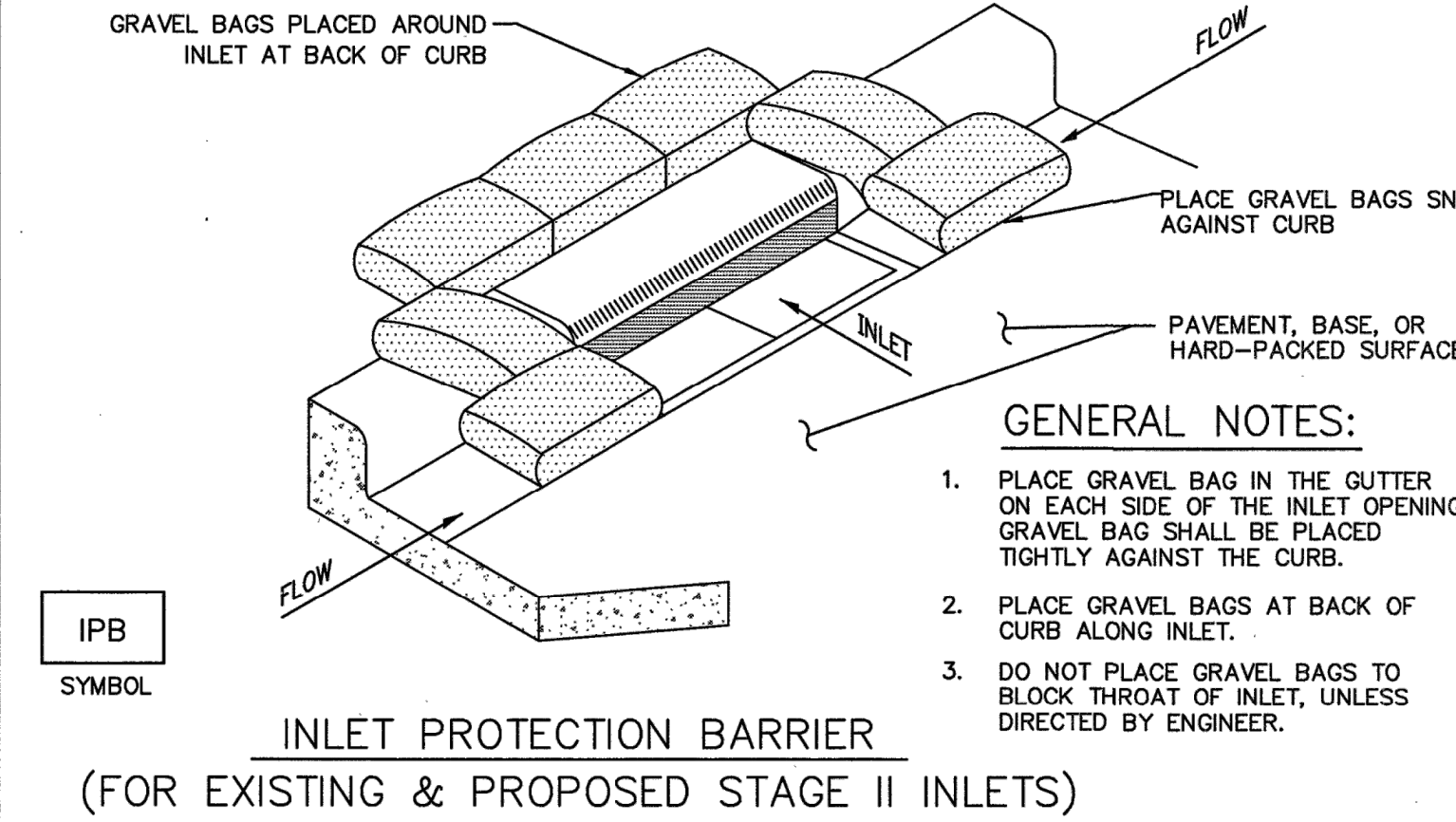
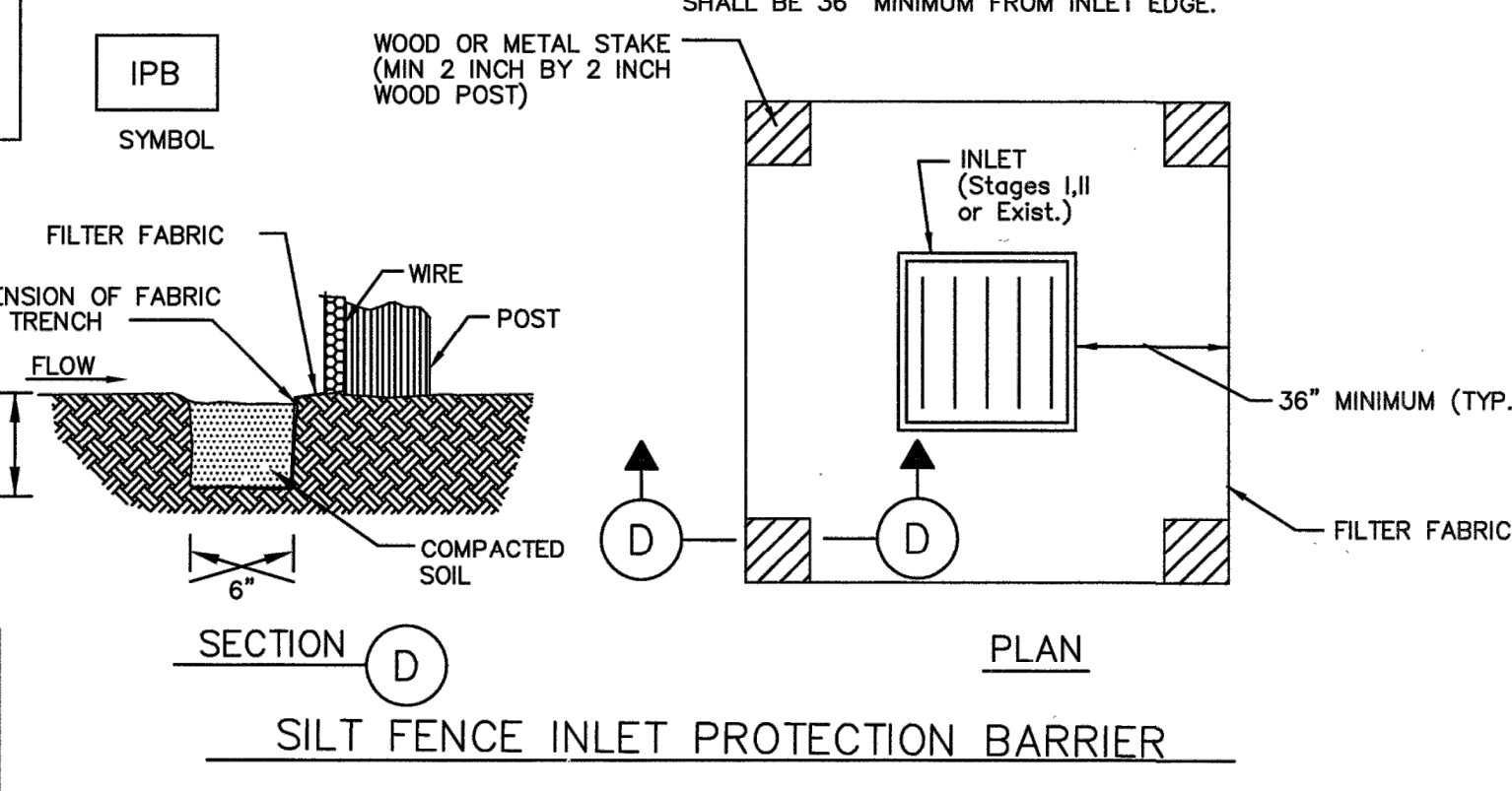
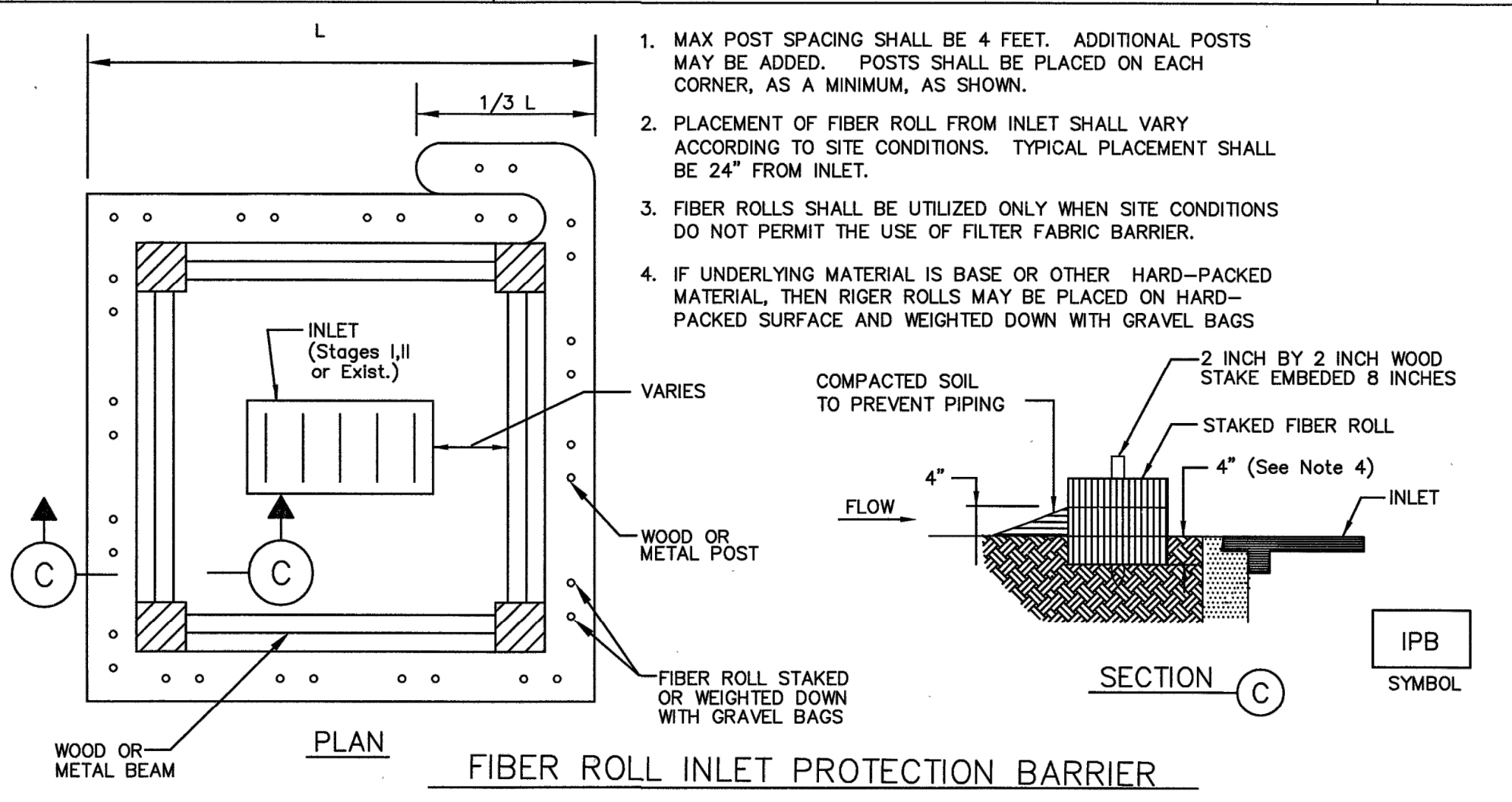
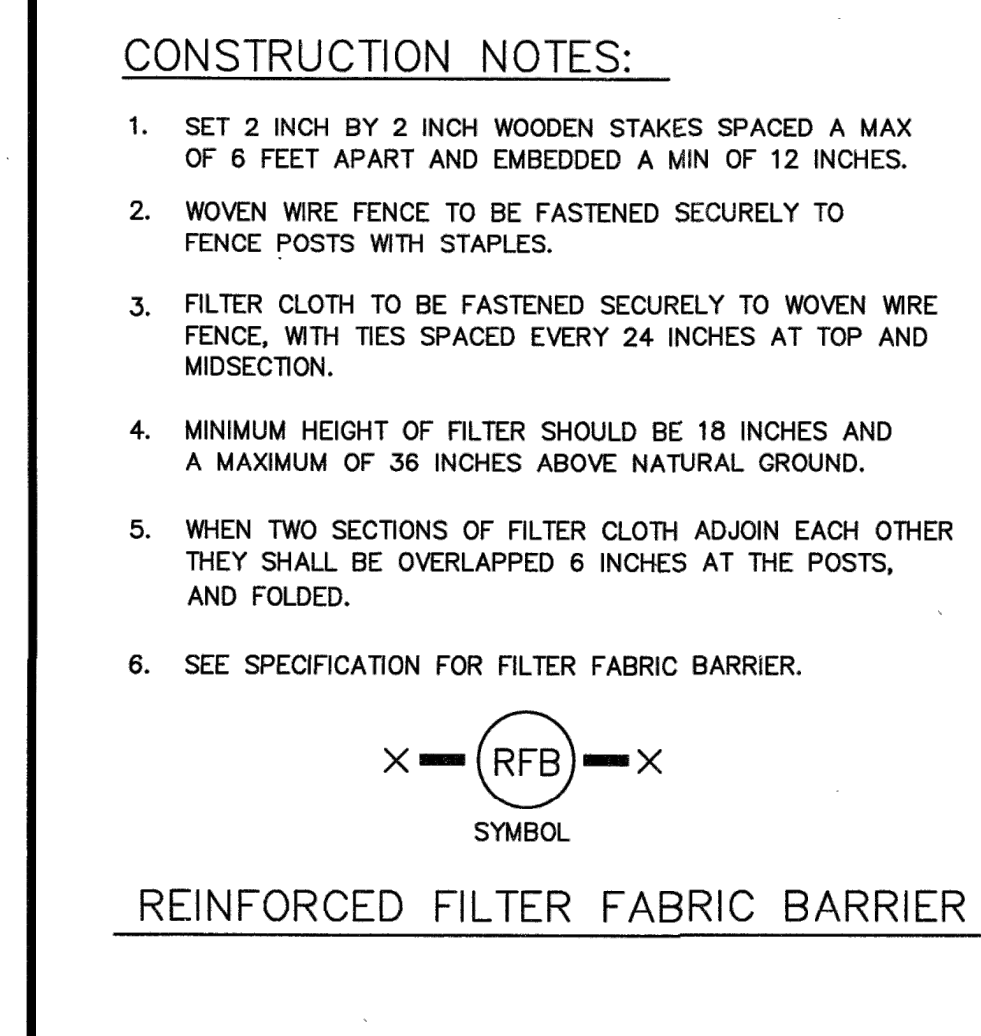
TIKI ISLAND  
 SWPPP SHEET 5 OF 5

SHEET **53**  
 OF **55**

P:\181-062-00\Drawings\TIKI ISLAND\15-19 SWPPP SHEETS.dwg Sep 18, 2020-8:37am Edited by: crueliner



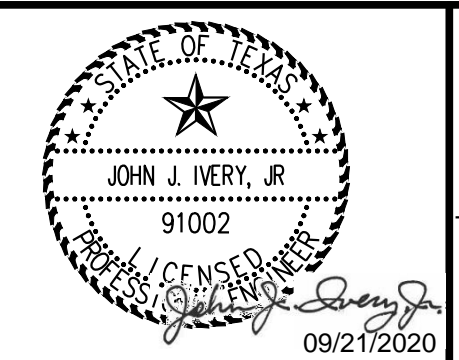
- CONSTRUCTION NOTES:
- LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
  - THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
  - WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
  - STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
  - STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.
  - SEE SPECIFICATION FOR STABILIZED CONSTRUCTION EXIT.
  - STABILIZED CONSTRUCTION EXIT SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.



NO.	REVISIONS	DATE	NAME

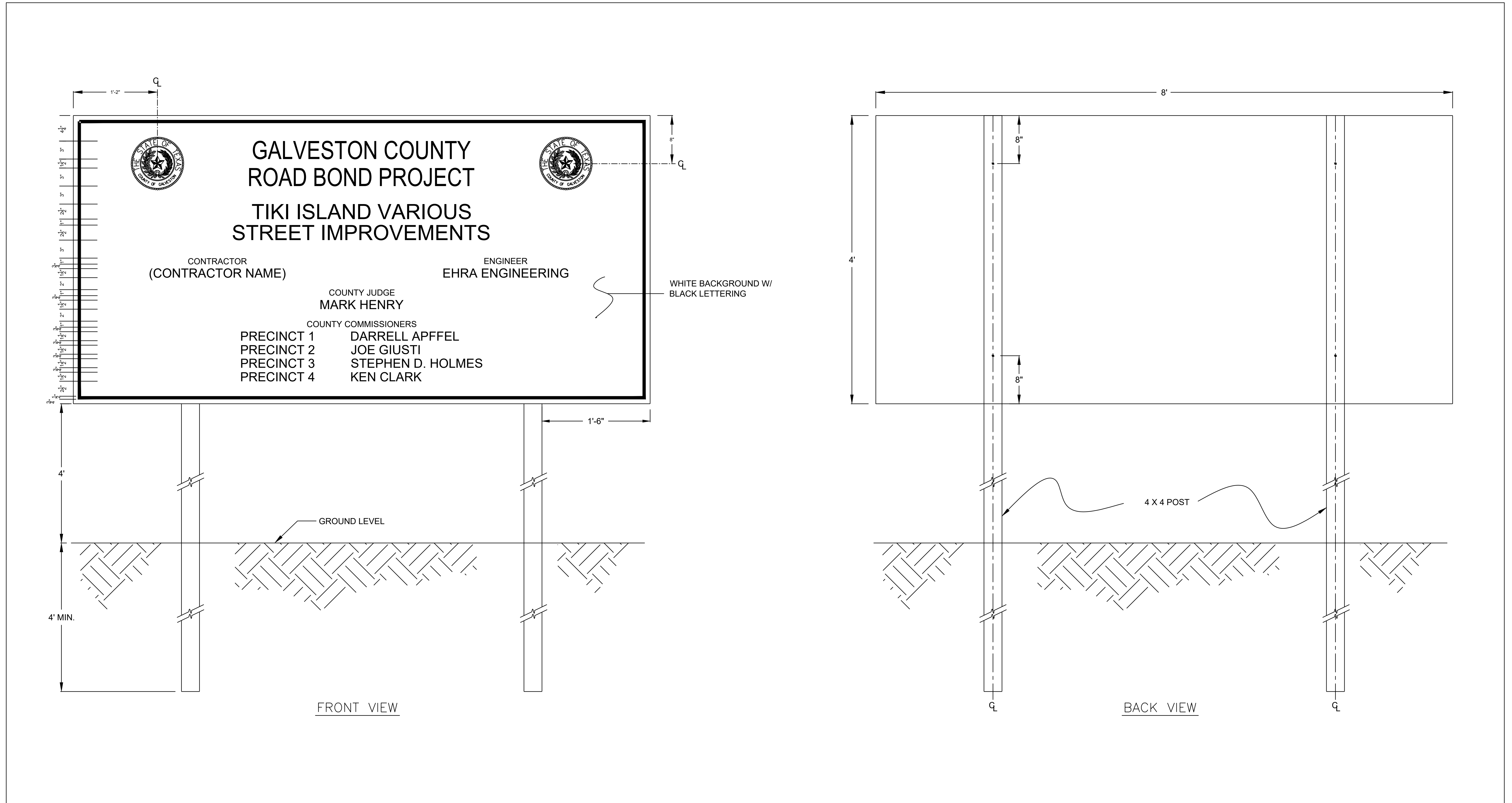
DRAWN BY: G.G.  
 DESIGNED BY: J.I.  
 CHECKED BY: C.B.  
 APPROVED BY: J.I.  
 SCALE: N/A  
 DATE: 08/26/20

GALVESTON COUNTY  
 ENGINEERING DEPARTMENT



TIKI ISLAND  
 SWPPP DETAILS

P:\181-062-00\Drawings\TIKI ISLAND\PROJECT LIMIT SIGN (2).dwg Sep 18, 2020-8:37am Edited by: cmueller



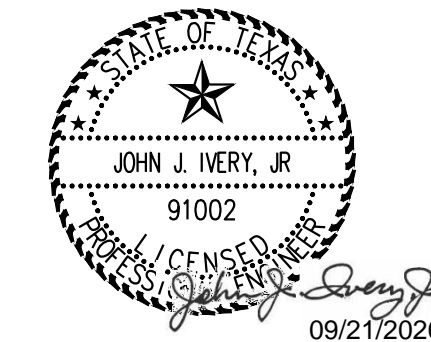
P-3997

NO.	REVISIONS	DATE	NAME

DRAWN BY:           G.G.            
 DESIGNED BY:           J.I.            
 CHECKED BY:           C.B.            
 APPROVED BY:           J.I.            
 SCALE:           N/A            
 DATE:           08/26/20          

GALVESTON COUNTY  
ENGINEERING DEPARTMENT

**EHRA**  
 ENGINEERING THE FUTURE SINCE 1936  
 10011 Meadowglen Lane  
 Houston, Texas 77042  
 EHRAInc.com | 713.784.4500  
 TBPE No. F-726 | TBPLS No. 10092300



TIKI ISLAND  
PROJECT LIMIT SIGN DETAILS

SHEET **55**  
OF **55**