

OFFSITE CONSTRUCTION PLANS FOR LAKE PICKETT ROAD IMPROVEMENTS ORANGE COUNTY PROJECT #23-E-380

ENGINEERS CERTIFICATION:

CONSTRUCTION PLANS WERE PREPARED IN ACCORDANCE WITH THE MANUAL OF PRACTICES FOR THE DESIGN AND CONSTRUCTION OF STREETS AND HIGHWAYS, FOOT GREEN BOOK, AND ORANGE COUNTY REGULATIONS AND SPECIFICATIONS.

ORANGE COUNTY NOTES:



1. THE IMPROVEMENTS ON COUNTY ROADS REQUIRE A LETTER OF CREDIT FROM THE COUNTY ENGINEER AS PART OF THE REQUIRED RIGHT OF WAY PERMIT.
2. FLOW AND ASSURANT DEDICATION SHALL BE COMPLETED TO OBTAIN THE CERTIFICATION OF COMPLETION.
3. ROW UTILIZATION AND/OR UNDERGROUND UTILITY PERMIT(S) AND NOT REQUIRED PRIOR TO CONSTRUCTION.
4. THE DESIGN IS BASED ON OCU MANUAL 2021.
5. A LANE CLOSURE OPERATIONAL ANALYSIS PER FOOT IS REQUIRED TO CONSIDER DAYTIME OPERATIONS. LAKE PICKETT ROAD DAYTIME RESTRICTIONS ARE FROM 8:00 AM TO 2:00 PM.
6. NO GRADE BREAK WITHIN THE LIMIT OF THE THROUGH LANE.
7. A DETAILED TEMPORARY TRAFFIC CONTROL PLAN MUST BE SUBMITTED WITH THE MOT PERMIT.

SOLACE AT CORNER LAKE/ CORNER LAKE GARDENS PD (PSP 22-12-362)
SECTION 9, TOWNSHIP 22 SOUTH, RANGE 32 EAST
ORANGE COUNTY, FLORIDA

PARCEL ID NO.:

09-22-32-0000-00-006

OWNER

MI HOMES OF ORLANDO
400 INTERNATIONAL PARKWAY, SUITE 470
LAKE MARY, FL 32746
PH: (407) 531-5176



MADDEN
MOORHEAD & STOKES, LLC
CIVIL ENGINEERS

431 E. HORATIO AVENUE, SUITE 260
MAITLAND, FLORIDA 32751
PHONE (407) 629-8330
FAX (407) 629-8336

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PROJECT TEAM MEMBERS

CIVIL ENGINEER:
MADDEN, MOORHEAD & STOKES, LLC.
16 EAST PLANT STREET
MAITLAND, FLORIDA 32751
PHONE: (407) 629-8330

SURVEYOR:
ALLEN & COMPANY
16 EAST PLANT STREET
MAITLAND, FLORIDA 32751
PHONE: (407) 629-8330

DEVELOPER/OWNER:
DAVE BROWN
MI HOMES OF ORLANDO LLC
400 INTERNATIONAL PARKWAY 470
LAKE MARY, FLORIDA 32746
PHONE: (407) 531-5177
EMAIL: abrown@mihomes.com

UTILITY PROVIDERS

WATER SERVICE:
ORANGE COUNTY UTILITIES
1000 INTERNATIONAL PARKWAY
ORLANDO, FL 32807
PHONE: (407) 254-9900

ELECTRICITY
DUKE ENERGY OPERATIONS CENTER
2801 W SR 426
ORLANDO, FL 32817
DEFUDU@DUKE-ENERGY.COM
PHONE: (407) 740-7373

TELEPHONE
AT&T
450 N. GOLDENROD ROAD
ORLANDO, FLORIDA 32807
PHONE: (407) 629-8335
R46827@ATT.COM

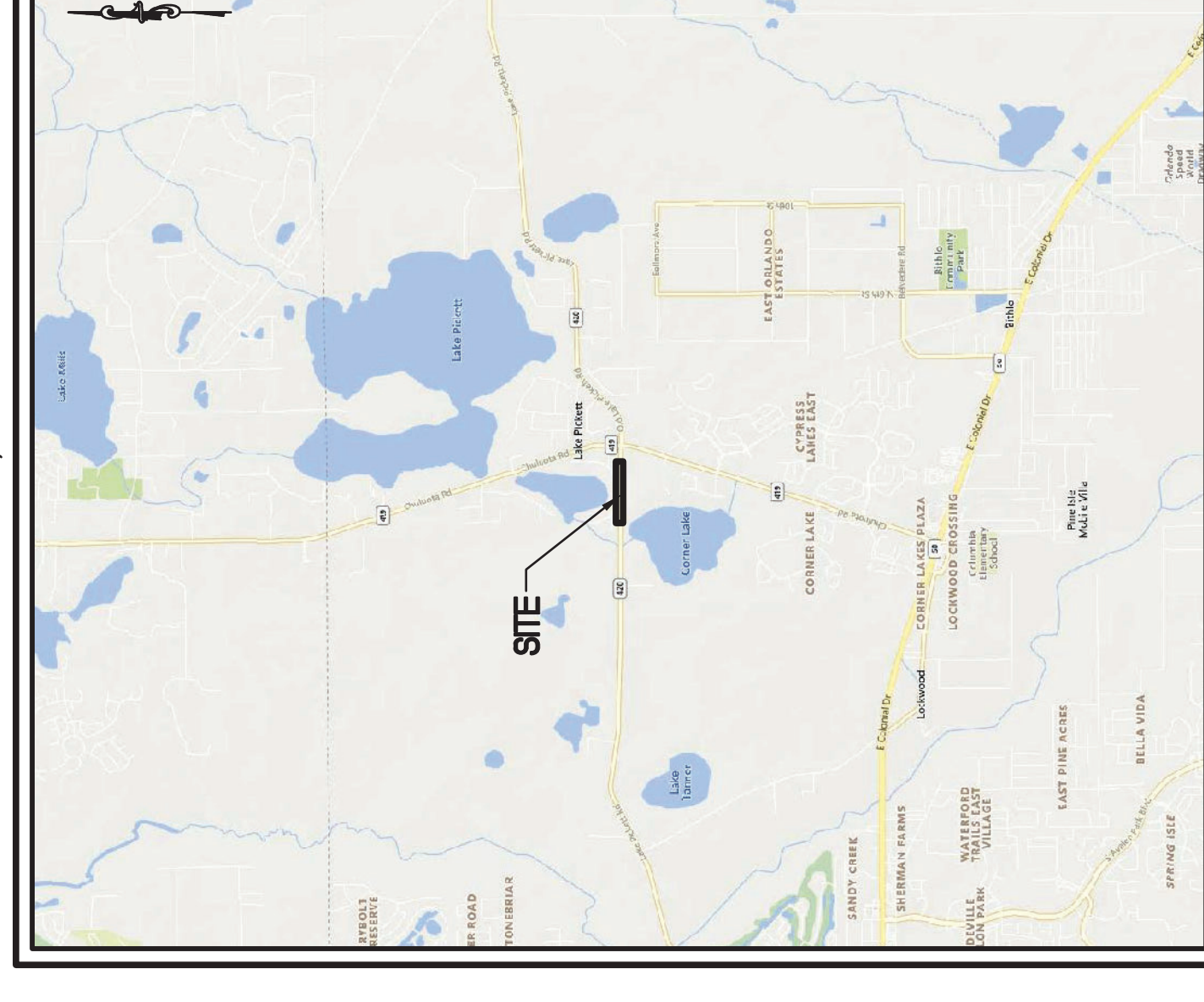
SEWER:
SEPTIC

CABLE
CHARTER COMMUNICATIONS
3767 ALL AMERICAN BLVD.
ORLANDO, FL 32810
PHONE: (407) 532-8511

GAS
TECO ENERGY
600 WEST ROBINSON ST.
ORLANDO, FL 32801
PHONE: (407) 420-6663

VICINITY MAP

1" = 5,000'



Digitally signed by Hector Martinez, E.I. DN: cn=Hector Martinez, o=Professional Engineer, ou=Professional Engineer, email=hmartinez@bej.com, c=US
Beckham
Date: 2024.05.01
09:03:05 -04'00'

THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY, FLORIDA AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION
APPROVED
Hector Martinez, E.I.
Hector Martinez, E.I.
FOR THE ORANGE COUNTY ENGINEER
05/20/2024

PLANS EXPIRE

04/17/2025

APPROVED 5/17/2024

Digitally signed by Roger Adison Stroud III
DN: cn=Roger Adison Stroud III, o=Professional Engineer, ou=Professional Engineer, email=ras@adisonstroud.com, c=US
08:34:36 -04'00'

FOR THE MANAGER,

ENGINEERING DIVISION
ORANGE COUNTY UTILITIES DEPARTMENT
THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS AND SPECIFICATIONS OF ORANGE COUNTY UTILITIES DIVISION STANDARDS

ABBREVIATIONS

A	AREA	FRAME AND COVER
AB	ANCHOR BOLT	FLOOR DRAIN
AC	ACRE(S)	FLORIDA DEPARTMENT OF TRANSPORTATION
AC-FT	ACRYLIC FOOT/VENT PIPE	FINISHED GRADE
ADD	ADDITIONAL	FURNISH AND INSTALL
ADT	AVERAGE DAILY TRAFFIC	FIGURE
ALT	ALTERNATE	FINISHED
AMP	AMPERE	FINISHED
AMP	AMPERE	FENCE LINE
APPROX	APPROXIMATE	FLOOR
ARV	AIR RELEASE VALVE	FLOOR
ASPH	ASPHALT	FLANGE
ASSY	ASSEMBLY	FORCE MAIN
AVG	AVERAGE	FEET PER HOUR
AZ	AZIMUTH	FEET PER MINUTE
		FEET/FOOT
		FOOTING
B	BACKFLOW PREVENTER	
BLDG	BUILDING	
BULD	BULLDOZER	
BND	BOUNDARY	
BO	BOTTOM	
BOT	BOTTOM	
BRG	BEARING	
BV	BUTTERFLY VALVE	
C	CAPACITY	
CAN	CANISTER	
CC	CEMENT	
CC	CEMENT	
CFM	CUBIC FEET PER MINUTE	
CFM	CUBIC FEET PER SECOND	
CG	CANTONMENT	
CH	CAST IRON PIPE	
CIP	CAST IRON PIPE	
C/L	CENTER LINE	
CLP	CONCRETE LIGHT POLE	
CLS	CLASS	
CM	CONCRETE MONUMENT	
CM	CONCRETE MONUMENT	
CMPA	CORRUGATED METAL PIPE ARCH	
CND	CONDUIT	
CO	CLEANOUT	
CO	CLEANOUT	
COL	COLUMN	
CONC	CONCRETE	
CONN	CONNECTION	
CONN	CONNECTION	
CONST	CONTINUOUS	
COORD	COORDINATE(S)	
COUPL	COUPLING	
CRG	CONCRETE POWER POLE	
CTR	CENTER	
CTR	CENTER	
CULV	CULVERT	
CY	CUBIC YARD	
CYL	CYLINDER	
D	DIAMETER	
DEC OR	DEGREE	
DEFL	DEFLECTION	
DEPT	DEPTH	
DET	DETACHMENT	
DHWL	DESIGN HIGH WATER LEVEL	
DIA	DIAGONAL	
DIA	DIAGONAL	
DIP	DUCTILE IRON PIPE	
DISCH	DISCHARGE	
DIP	DUCTILE IRON PIPE	
DN	DOWN	
DWH	DRAIN MANHOLE	
DWG	DRAWING	
DWY	DRIVEWAY	
E	EAST	
EA	EDGE OF CONCRETE	
EA	EDGE OF CONCRETE	
ED	ENERGY DISSIPATOR	
EFF	EFFICIENCY	
EFF	EFFICIENCY	
EG	EXISTING GRADE	
ELV	ELEVATION	
ELV	ELEVATION	
ELEC	ELECTRIC	
ELEC	ELECTRIC	
ELEV	ELEVATION	
ELEV	ELEVATION	
ENC	ENCASEMENT	
ENC	ENCASEMENT	
ENG	ENGINEERING	
EQ	EQUAL/LOUATION	
EQ	EQUAL/LOUATION	
EQUIP	EQUIPMENT	
EQUIP	EQUIPMENT	
ESMT	EASEMENT	
EST	ESTIMATE	
EST	ESTIMATE	
EVAL	EVALUATION	
EVAL	EVALUATION	
EXC	EXCAVATE/EXCAVATION	
EXC	EXCAVATE/EXCAVATION	
EXP	EXPAND/EXPANSION	
EXT	EXTEND/EXTENSION	

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APPROVED

Hector Martinez, E.I.
FOR THE ORANGE COUNTY ENGINEER
05/20/2024

EXISTING SYMBOLS

LINES	
	CENTER LINE
	WIRE FENCE
	CHAIN LINK FENCE
	WOOD FENCE
	GUARDRAIL
	EXISTING PLATS
	RETAINING WALL
	RIGHT-OF-WAY LINE
	SHORELINE
	SWALE
	EASEMENT
SANITARY	
	SANITARY SEWER LINE — EX. FM —
	CLEANOUT
	FORCE MAIN
	MANHOLE
WATER & REUSE WATER	
	WATER MAIN DIP PIPE
	REUSE WATER MAIN
	BACKFLOW PREVENTOR
	WATER VALVE
	FIRE HYDRANT
	WATER METER
STORM DRAIN	
	STORM SEWER
	MANHOLE
	MITERED END
	STORM INLET
	FOOT TYPE 6 INLET

PROPOSED SYMBOLS

LINES	
	PROPERTY LINE
	CONSERVATION SETBACK
	CENTER LINE
	CHAIN LINK FENCE
	CONTOUR
	EASEMENT
	FENCE
	GUARDRAIL
	LOT LINE
	RETAINING WALL
	RIGHT-OF-WAY LINE
	SETBACK LINE
	SHORELINE
	SWALE
	TREE LINE
SANITARY	
	100 LF SAN 8 PVC 0.40%
	100 LINEAR FEET SANITARY 8" PVC PIPE @ 0.40% SLOPE
	CLEANOUT
	DOUBLE SANITARY SERVICE
	FORCE MAIN PVC PIPE
	MANHOLE
STORM DRAIN	
	100 LF STS 24 PP @ 0.20%
	100 LINEAR FEET STORM PIPE @ 0.20% HIGH PERFORMANCE POLYPROPYLENE PIPE @ 0.20%
	UNDERDRAIN 6" HDPE PIPE
	DRAINAGE FLOW DIRECTION
	FDOT INLET TYPE 1
	FDOT INLET TYPE 2
	FDOT INLET TYPE 3
	FDOT INLET TYPE 4
	FDOT INLET TYPE 5
	FDOT INLET TYPE 6
	MANHOLE
	MITERED END SECTION
	SLOPE DIRECTION ARROW FOR ROAD SIDE SLOPE
	SPOT ELEVATION
	STORM INLET
HIGHWAY & UTILITIES	
	BOUND CORNER
	CONCRETE
	COUNTY ROADS
	DETAIL REFERENCE
	DUMPSTER
	FINISHED FLOOR ELEVATION W/ FHA LOT TYPE
	GUY POLE
	HANDICAP PARKING
	INTERSTATE ROADS
	LIGHT POLE
	SIGNS
	SECTION CORNER
	STATE ROADS
	SILT FENCE
	TRAFFIC FLOW PAVEMENT MARKING
	UTILITY POLE
	BLDG OR STRUCTURE
	TYPE F CURB & GUTTER
	MIAMI CURB
	CROSS SECTION DETAIL
WATER & REUSE WATER	
	WATER MAIN PVC PIPE
	22 1/2" BEND
	45" BEND
	90" BEND
	TEE
	CROSS
	CHECK VALVE
	DOUBLE DETECTOR CHECK VALVE
	DOUBLE WATER SERVICE
	GATE VALVE
	FIRE HYDRANT
	METER
	REDUCER
	BLOWOFF
	BACKFLOW PREVENTER
	SAMPLE POINT
	CLEANOUT
	RECLAIM WATER MAIN
	DOUBLE RECLAIM WATER SERVICE

APPROVED 5/17/2024
 Digitally signed by
Roger Adison
Stroud III
 Date: 2024.05.17
 08:24:38 -0400
 Adison Stroud, E.I.
FOR THE MANAGER,
ENGINEERING DIVISION
ORANGE COUNTY UTILITIES DEPARTMENT
 THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY UTILITIES DIVISION STANDARDS AND SPECIFICATIONS.



SYMBOLS AND ABBREVIATIONS
 FOR
LAKE PICKETT ROAD IMPROVEMENTS
 ORANGE COUNTY
 FLORIDA

400 INTERNATIONAL PARKWAY
 LAKE MARY, FLORIDA 32746
 (407) 531-5177

ENGINEER IN CHARGE:
 BENJAMIN S. BECKHAM, P.E. #7942
 April 1, 2024
 CERTIFICATE OF AUTHORIZATION NO. CA-0007723

DATE	REVISIONS

JOB # 21097
 DATE: 01/19/2024
 SCALE: N/A
 DESIGNED BY: BOB
 DRAWN BY: BOB
 APPROVED BY: BSB
 C003

DATE	REVISIONS
07/24	REVISED PER ORANGE COUNTY COMMENTS

JOB #	21097
DATE	01/19/2024
SCALE	1"=50'
DRAWN BY	BCH
APPROVED BY	BSE



STORMWATER POLLUTION PREVENTION NOTES:

- THE CONTRACTOR SHALL SECURE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORT OF SEDIMENTS OUTSIDE THE BOUNDARIES OF THE PROJECT TO THE VOLUME AND AMOUNT THAT ARE EXISTING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THIS CONDITION WILL BE SATISFIED FOR THE TOTAL ANTICIPATED CONSTRUCTION PERIOD. PROVISIONS TO MEET THIS PROVISION THROUGHOUT THE LIFE OF THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SILT BARRIERS, TEMPORARY GRASSING, ETC. AS REQUIRED TO FULLY COMPLY WITH THE INTENT OF THIS SPECIFICATION.
- NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT THE FLOW OF MATERIAL TO ANY ADJACENT PROPERTY OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
- SURFACE AREAS OF EXCAVATED MATERIAL SHALL BE PROTECTED BY BERMING AND GRASSING OPERATIONS TO PREVENT EROSION. BERMING OPERATIONS SHALL BE CONTROLLED, SO THAT THIS OPERATION WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
- INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT LADEN STORMWATER RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
- AREAS OPENED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE SEEDING WITH A QUICK-GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER, DURING THE SEASON IN WHICH IT IS PLANTED. TEMPORARY SEEDING SHALL BE CONTROLLED SO AS TO NOT ALTER OR COMPETE WITH PERMANENT GRASSING. THE RATE OF SEEDING SHALL BE 50 POUNDS PER ACRE.
- THE SEEDED OR MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS RECOMMENDED TO PROMOTE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
- IF, AFTER 14 DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER.
- ALL FEATURES OF THE PROJECT SHALL BE CONSTRUCTED TO PREVENT EROSION AND SEDIMENTATION AND SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.
- ALL DISTURBED AREAS OUTSIDE THE EXCAVATION AND FILL LIMITS WILL BE RESTORED TO ORIGINAL OR BETTER CONDITION PRIOR TO THE COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL NEWLY PLANTED GRASSES OR TREES WITH RETENTION/DEFENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE COUNTY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF EMBANKMENTS AND SHALL REPLACE ANY PORTION, WHICH IN THE OPINION OF THE ENGINEER, HAS BECOME DISPLACED, DUE TO EROSION OR DUE TO CARELESSNESS OR NEGLIGENCE ON THE PART OF THE CONTRACTOR.
- THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS THAT APPLY TO THE CONSTRUCTION OF THE PROJECT. ANY VIOLATIONS TAKEN BY THE CONTRACTOR TO CONTROL EROSION AND SEDIMENT RUNOFF FROM THE SITE DURING CONSTRUCTION, SUCH METHODS SHALL BE IN ACCORDANCE WITH CURRENT FOOT AND ORANGE COUNTY STANDARDS.
- ABSOLUTELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA, BUFFER AREA, MITIGATION AREA OR DESIGNATED WETLAND AREA UNLESS SO SPECIFICALLY AUTHORIZED BY THE COUNTY. THE CONTRACTOR SHALL OBTAIN PERMIT FROM THE GOVERNMENTAL ENTITY HAVING JURISDICTION OVER SAID AREA.
- PRIOR TO CLEARING AND GRUBBING, THE LIMITS OF WETLANDS, BUFFERS, WETLANDS, BUFFERS AND MITIGATION AREAS SHALL BE CLEARLY MARKED ALONG THE PROPOSED RIGHT OF WAY LINE TO PROTECT THESE AREAS FROM ENCRoACHMENT FROM CONSTRUCTION ACTIVITIES.
- ALL FILL EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION BY METHODS STATED IN SECTION 104. STANDARD SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION SHALL BE APPLIED TO ALL EROSION CONTROL MEASURES. ALL EROSION CONTROL MATERIAL IS DISC HARROWED AND THE SIDE SLOPES ARE NEITHER GREATER THAN 3:1 NOR PART OF A DRAINAGE CONVEYANCE.
- REFER TO POND DETAIL SHEETS FOR EROSION CONTROL MEASURES AT POND OUTFALLS. EROSION CONTROL AT ALL INLET DRAINAGE STRUCTURES DURING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL, LATEST EDITION.
- INSPECTIONS ON EROSION CONTROL MEASURES WILL BE PERFORMED BY THE CONTRACTOR ONCE PER WEEK AND WITHIN 24 HOURS AFTER 1/4 INCH OF RAINFALL. THE INSPECTIONS SHALL BE LOGGED BY THE CONTRACTOR AND KEPT WITH THE APPROVED PLANS AND SHIPPED.
- GRAVEL CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO MINIMIZE EXPORT OF ON-SITE MATERIAL. CONSTRUCTION ENTRANCES SHALL BE SWEEPED PERIODICALLY AND LOGGED BY THE CONTRACTOR.

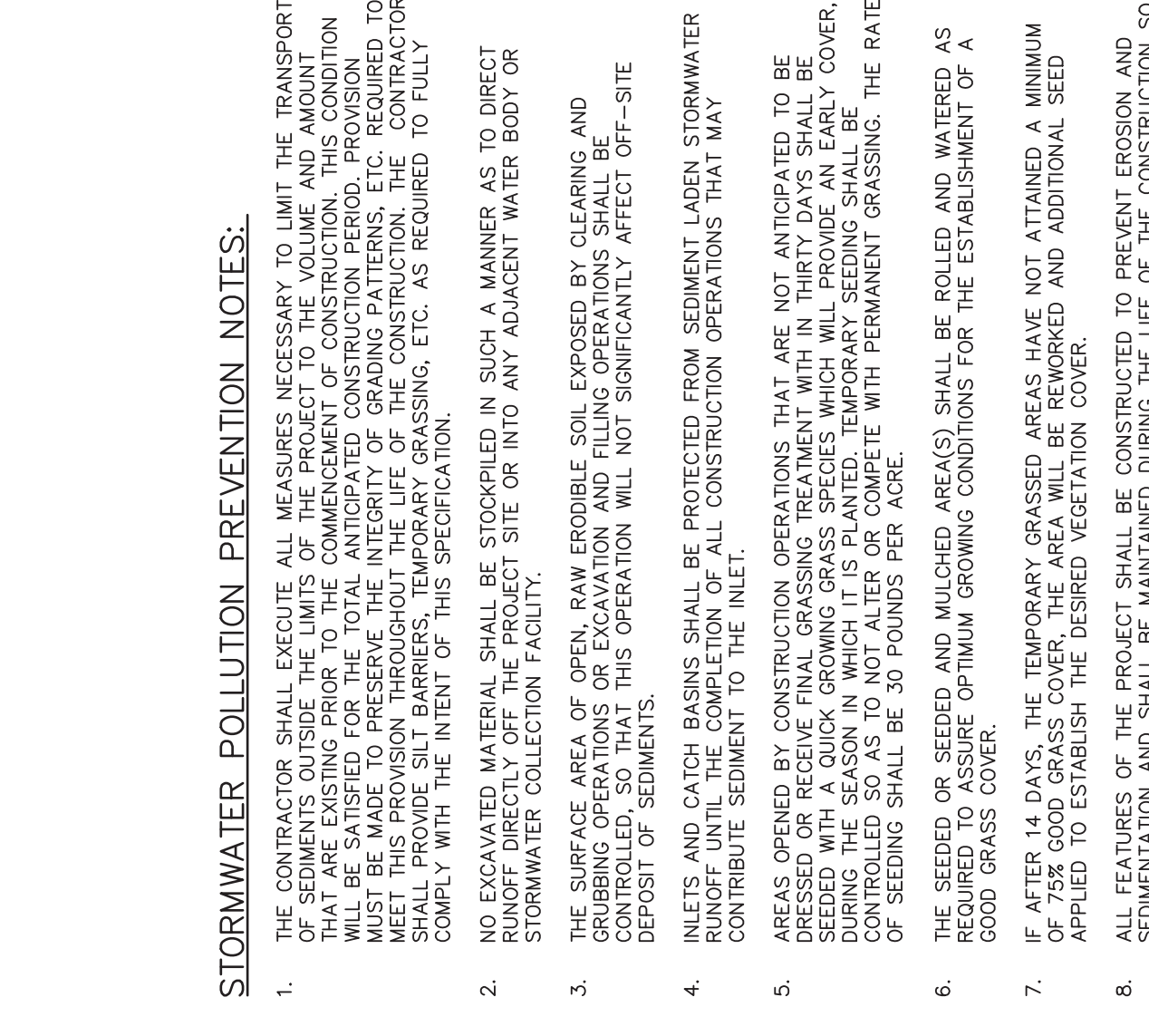
THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY FLORIDA AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION

APPROVED

Hector Martinez, E.I.
FOR THE ORANGE COUNTY ENGINEER

05/20/2024

- EROSION CONTROL:**
- THE CONTRACTOR SHALL PERFORM EROSION CONTROL MEASURES IN ACCORDANCE WITH FDOT, SKIRMING AND ORANGE COUNTY REGULATIONS, AS WELL AS THE FOLLOWING NOTES AND AS DIRECTED BY THE ENGINEER.
 - TEMPORARY EROSION CONTROL.
 - STOCKPILING MATERIAL, NO EXCAVATING MATERIAL SHALL BE STOCKPILED IN ANY MANNER AS TO DIRECT THE FLOW OF MATERIAL TO ANY ADJACENT WATERBODY OR STORMWATER COLLECTION FACILITY.
 - INLET PROTECTION - INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATERBODY OR STORMWATER COLLECTION FACILITY.
 - TEMPORARY SEEDING / STRIP SOODING - AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE STRIP-SOODED ALONG ALL EXCAVATION SLOPES AND DISTURBED AREAS. STRIP SOODING SHALL BE APPLIED INTO THE ROW AND DRAINAGE SYSTEMS, AND WILL NOT LATER COMPLETE WITH THE PERMANENT LOT GRASSING.
 - TEMPORARY SEEDING AND MULCHING - SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN NOTE 3 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA TO A DEPTH OF 4 INCHES.
 - TEMPORARY GRASSING - THE SEEDED OR THE SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS RECOMMENDED TO PROMOTE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
 - TEMPORARY GRASSING - IF AFTER FIFTEEN DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATION COVER.
 - THE CONTRACTOR SHALL PLACE SYNTHETIC HAY BALES AROUND ALL EXISTING AND NEWLY CONSTRUCTED INLETS TO CONTROL EROSION DURING CONSTRUCTION.
 - MAINTENANCE - ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE PROJECT SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
 - PERMANENT EROSION CONTROL.
- THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON OFF-SITE FACILITIES. ALL STORMWATER DISCHARGE FACILITIES SHALL BE DESIGNED TO TRAP SUSPENDED SEDIMENTS AND DISCHARGE FACILITIES FROM THESE BASINS SHALL BE PROVIDED WITH A SKIMMER DEVICE TO TRAP FLOATABLE DEBRIS.
- PERMANENT SEEDING - ALL AREAS WHICH HAVE BEEN DISTURBED BY THE CONSTRUCTION WILL, AS A MINIMUM, BE FERTILIZED AND SEED.
 - PERMANENT SEEDING AND MULCHING - SLOPES OF 6:1 TO 4:1 INCLUSIVE WILL BE MULCHED WITH A UNIFORM THICKNESS OF APPROXIMATELY TWO INCHES, LOOSE MEASURE OF MULCH MATERIAL INCORPORATED INTO THE SOIL BY MIXING TO A DEPTH OF FOUR INCHES.
 - PERMANENT SOODING - ALL RETENTION/DEFENTION BASINS SHALL BE SOODED. OTHER AREAS WITH SLOPES STEEPER THAN 4:1 WILL BE SOODED.
 - STRIP SOODING - STRIP SOD SHALL BE PLACED ADJACENT TO ALL CURBS, WALES AND PARCELS.
 - ALL GRASSED AREAS WILL BE MAINTAINED TO ASSURE A GOOD STAND SUFFICIENT TO PREVENT EROSION. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE GROUND COVER HAS NOT BEEN ESTABLISHED. THE AREA WILL BE REGRASSED.
 - ADDITIONAL FERTILIZATION - GRASSED AREAS NOT ACCEPTED WITHIN 90 DAYS OF THEIR COMPLETION SHALL BE FERTILIZED.
 - FOR ADDITIONAL SOODING REQUIREMENTS, REFER TO THE LANDSCAPE PLANS.
 - FERTILIZATION TO COMPLY WITH LOCAL JURISDICTIONAL REQUIREMENTS.



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- THE SEEDED OR MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS RECOMMENDED TO PROMOTE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
- IF, AFTER 14 DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER.
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- ALL FILL EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION BY METHODS STATED IN SECTION 104. STANDARD SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION SHALL BE APPLIED TO ALL EROSION CONTROL MEASURES. ALL EROSION CONTROL MATERIAL IS DISC HARROWED AND THE SIDE SLOPES ARE NEITHER GREATER THAN 3:1 NOR PART OF A DRAINAGE CONVEYANCE.
- REFER TO POND DETAIL SHEETS FOR EROSION CONTROL MEASURES AT POND OUTFALLS. EROSION CONTROL AT ALL INLET DRAINAGE STRUCTURES DURING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL, LATEST EDITION.
- INSPECTIONS ON EROSION CONTROL MEASURES WILL BE PERFORMED BY THE CONTRACTOR ONCE PER WEEK AND WITHIN 24 HOURS AFTER 1/4 INCH OF RAINFALL. THE INSPECTIONS SHALL BE LOGGED BY THE CONTRACTOR AND KEPT WITH THE APPROVED PLANS AND SHIPPED.
- GRAVEL CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO MINIMIZE EXPORT OF ON-SITE MATERIAL. CONSTRUCTION ENTRANCES SHALL BE SWEEPED PERIODICALLY AND LOGGED BY THE CONTRACTOR.

CERTIFICATION FOR CONTRACTORS AND SUB-CONTRACTORS

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND TERMS AND CONDITIONS OF THE GENERIC STORMWATER PERMIT ISSUED PURSUANT TO SECTION 403.0885, F.S., THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

NAME: _____ SIGNATURE: _____ DATE: _____

ADDRESS: _____ TELEPHONE: _____

SILT FENCE APPLICATIONS

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND TERMS AND CONDITIONS OF THE GENERIC STORMWATER PERMIT ISSUED PURSUANT TO SECTION 403.0885, F.S., THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

NAME: _____ SIGNATURE: _____ DATE: _____

ADDRESS: _____ TELEPHONE: _____

CERTIFICATION FOR CONTRACTORS AND SUB-CONTRACTORS

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NAME: _____ SIGNATURE: _____ DATE: _____

ADDRESS: _____ TELEPHONE: _____

SILT FENCE APPLICATIONS

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NAME: _____ SIGNATURE: _____ DATE: _____

ADDRESS: _____ TELEPHONE: _____

APPROVED 5/17/2024

Digitally signed by
Roger Adison Stroud III
Date: 2024.05.17
08:34:36 -0400

Adison Stroud, E.I.
FOR THE MANAGER,
ENGINEERING DIVISION
ORANGE COUNTY UTILITIES DEPARTMENT

THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS AND SPECIFICATIONS.



MADDEN
ROADHEADS & STONES LLC
CIVIL ENGINEERS
431 E. Heratio Avenue
Maitland, Florida 32751
(407) 629-8330

ORANGE COUNTY
LAKE PICKETT ROAD IMPROVEMENTS
FOR
DIMENSION/STRIPING/SIGNAGE PLAN

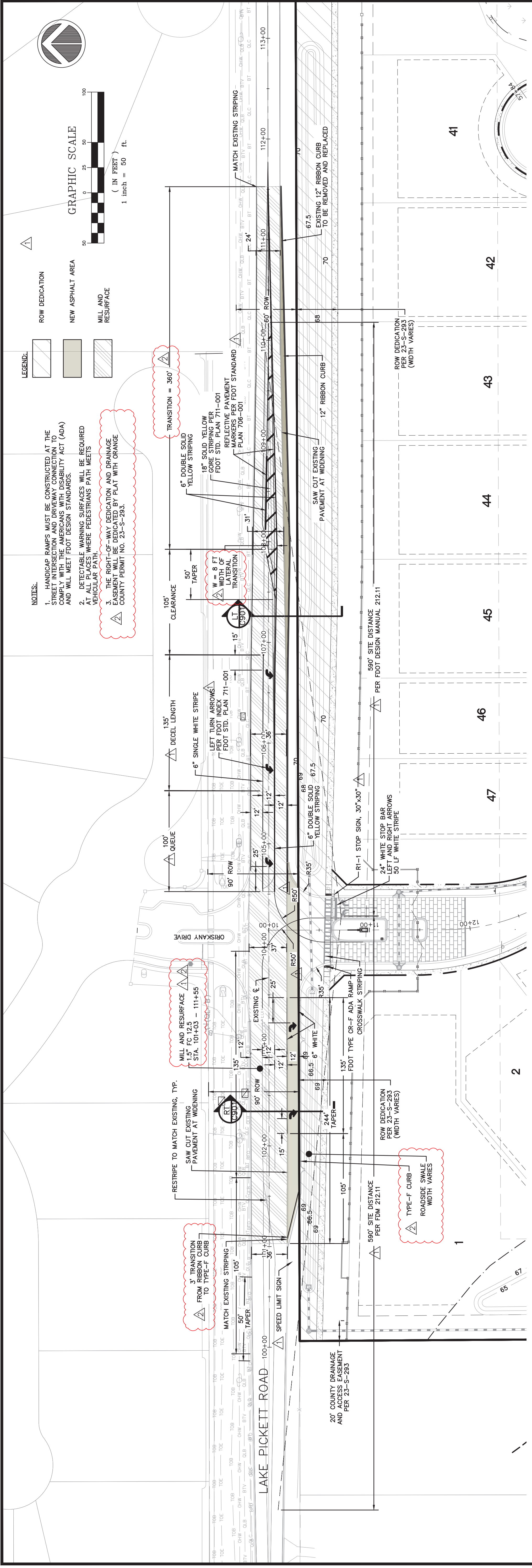
M/I HOMES
400 INTERNATIONAL PARKWAY
LAKE MARY, FLORIDA 32746
(407) 531-5177

BENJAMIN S. BECKHAM, P.E. #79452
April 8, 2024
CERTIFICATE OF AUTHORIZATION NO. CA-0007723

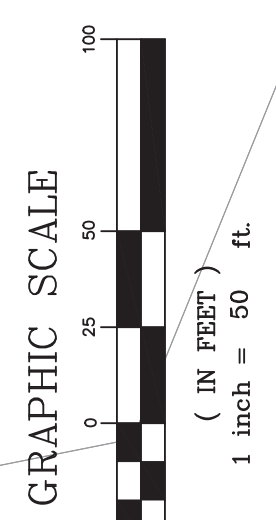
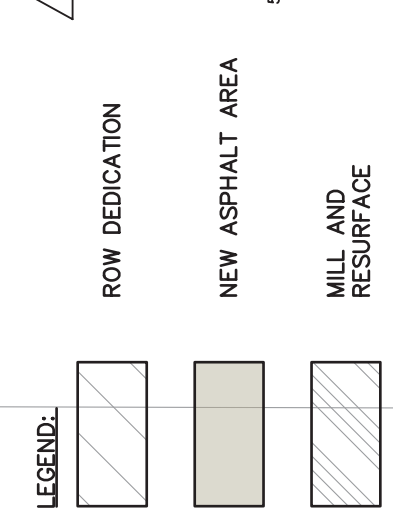
DATE	REVISIONS
07/12/24	REVISED PER ORANGE COUNTY COMMENTS
09/09/24	REVISED PER ORANGE COUNTY COMMENTS

JOB # 21087
DATE 01/19/2024
SCALE 1" = 50'
DESIGNED BY: BOB
DRAWN BY: BOB
APPROVED BY: BSB

C101



- NOTES:**
- HANDICAP RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION AND DRIVEWAY CONNECTION TO MEET AMERICAN DISABILITY ACT (ADA) AND WILL MEET FOOT DESIGN STANDARDS.
 - RETRACTABLE WARNING SURFACES WILL BE REQUIRED AT ALL PLACES WHERE PEDESTRIANS PATH BEGINS VEHICULAR PATH.
 - THE RIGHT-OF-WAY DEDICATION AND DRAINAGE EASEMENT WILL BE DEDICATED BY PLAT WITH ORANGE COUNTY PERMIT NO. 23-S-283.



LAKE PICKETT ROAD/ C.R. 420
POSTED SPEED LIMIT = 45 MPH
DESIGN SPEED = 45 MPH

THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY FLORIDA AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION

APPROVED

Hector Martinez
Hector Martinez, E.I.
FOR THE ORANGE COUNTY ENGINEER

05/20/2024

APPROVED 5/17/2024

Digitally signed by
Roger Adison Stoud III
Date: 2024.05.17
08:34:36 -0400

Adison Stoud, E.I.

FOR THE MANAGER
ENGINEERING DIVISION
ORANGE COUNTY UTILITIES DEPARTMENT

THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY UTILITIES DIVISION STANDARDS AND SPECIFICATIONS.



MADDEN
 DOORHEAD & STOKES, LLC
 CIVIL ENGINEERS
 431 E. Heratio Avenue
 Maitland, Florida 32751
 (407) 629-8330

ORANGE COUNTY
 GRADING AND DRAINAGE PLAN
 FOR
 LAKE PICKETT ROAD IMPROVEMENTS
 FLORIDA

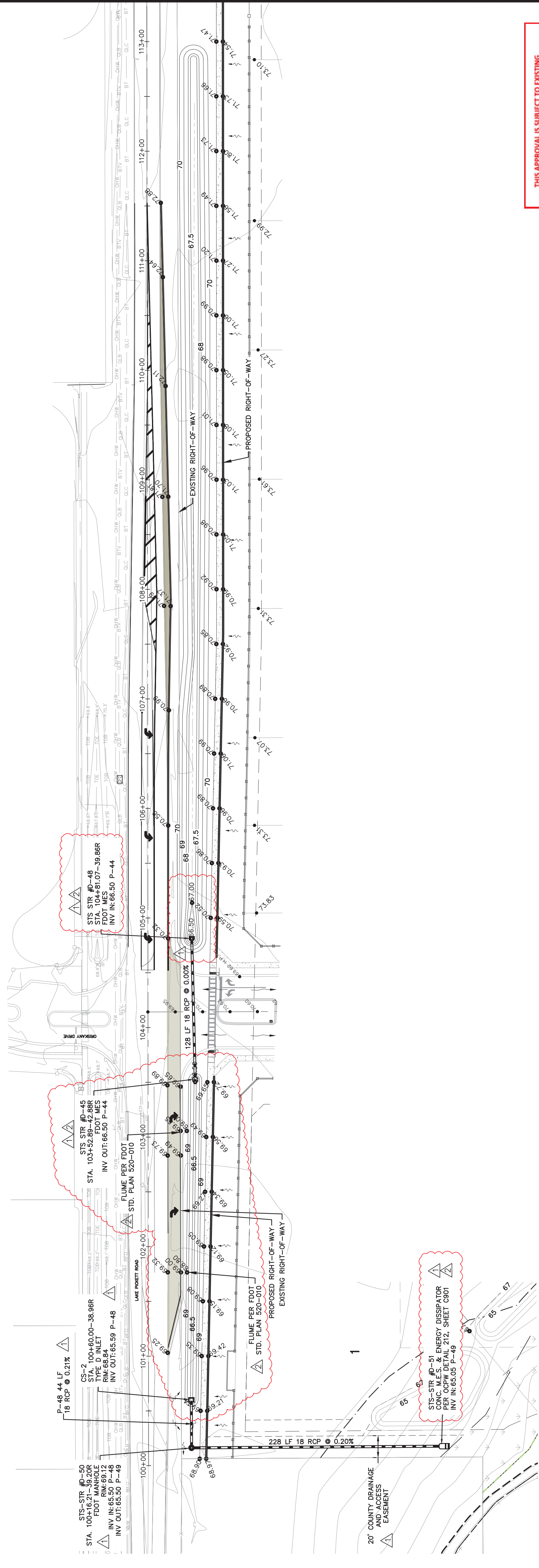
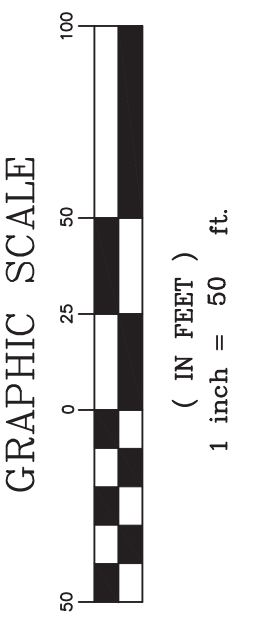
M/I HOMES
 400 INTERNATIONAL PARKWAY
 LAKE MARY, FLORIDA 32746
 (407) 531-5177

BENJAMIN S. BECKHAM, P.E. #79452
 April 8, 2024
 CERTIFICATE OF AUTHORIZATION NO. CA-0007723
 ENGINEER IN CHARGE:

DATE	REVISIONS
07/12/24	REVISED PER ORANGE COUNTY COMMENTS
04/08/24	REVISED PER ORANGE COUNTY COMMENTS

JOB # 21087
 DATE 01/19/2024
 SCALE 1" = 50'
 DESIGNED BY Roger Adison Stroud III
 DRAWN BY BOB
 APPROVED BY BOB

C301



THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY FLORIDA AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION
 APPROVED
Hector Martinez
 Hector Martinez, E.I.
 FOR THE ORANGE COUNTY ENGINEER
 05/20/2024

APPROVED 5/17/2024
 Digitally signed by
 Roger Adison Stroud III
 Date: 2024.05.17
 08:34:36 -0400
 Adison Stroud, E.I.
 FOR THE MANAGER,
 ENGINEERING DIVISION
 ORANGE COUNTY UTILITIES DEPARTMENT
 THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY UTILITIES DEPARTMENT AND SPECIFICATIONS.



MADDEN
ROADHEAD & STONES, LLC
CIVIL ENGINEERS
431 E. Heratio Avenue
Suite 260
Maitland, Florida 32751
(407) 629-8330

CROSS SECTIONS
FOR
LAKE PICKETT ROAD IMPROVEMENTS
ORANGE COUNTY
FLORIDA

M/I HOMES
400 INTERNATIONAL PARKWAY
LAKE MARY, FLORIDA 32746
(407) 531-5177

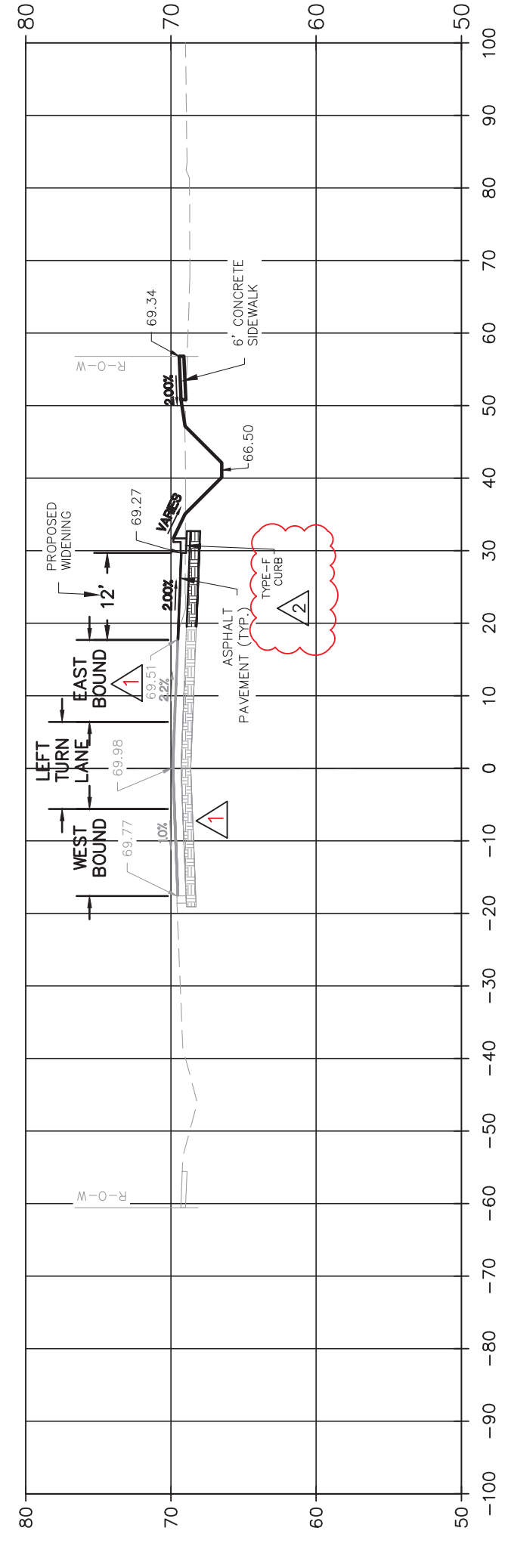
ENGINEER IN CHARGE:
BENJAMIN S. BECKHAM, P.E. #79452
APRIL 24, 2024
CERTIFICATE OF AUTHORIZATION NO. CA-000723

DATE	REVISIONS
07/12/24	REVISED PER ORANGE COUNTY COMMENTS
04/24/24	REVISED PER ORANGE COUNTY COMMENTS

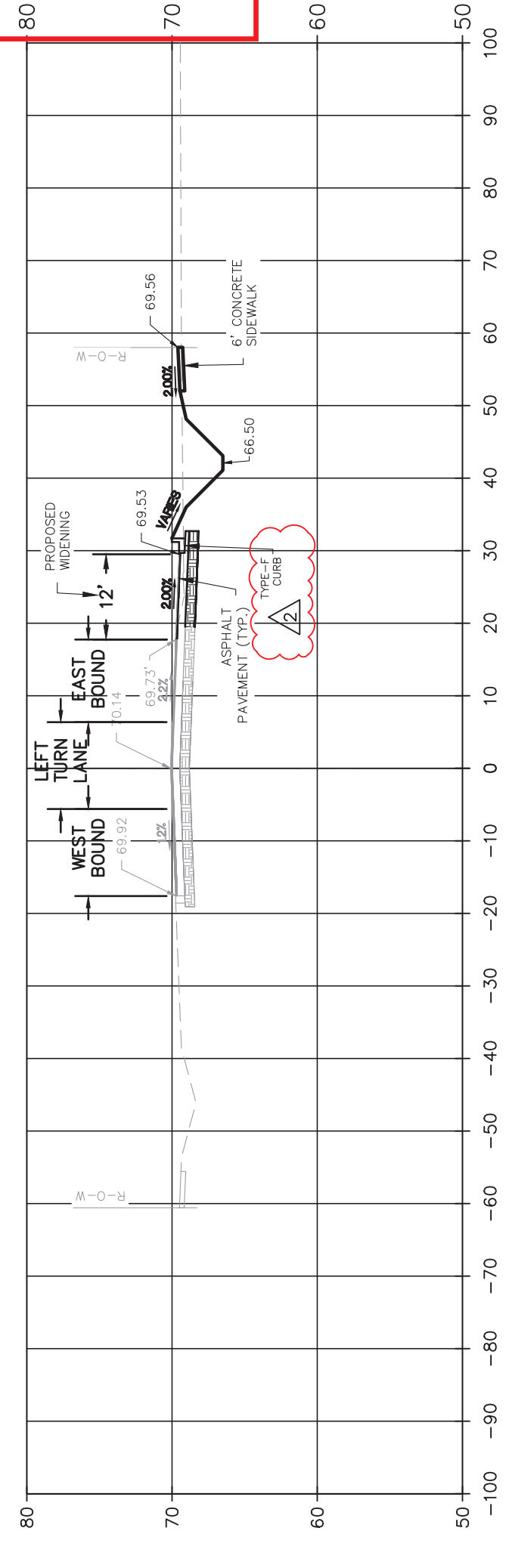
JOB # 21087
DATE 01/19/2024
SCALE AS SHOWN
DESIGNED BY: ASH
DRAWN BY: BCB
APPROVED BY: BSB

C501

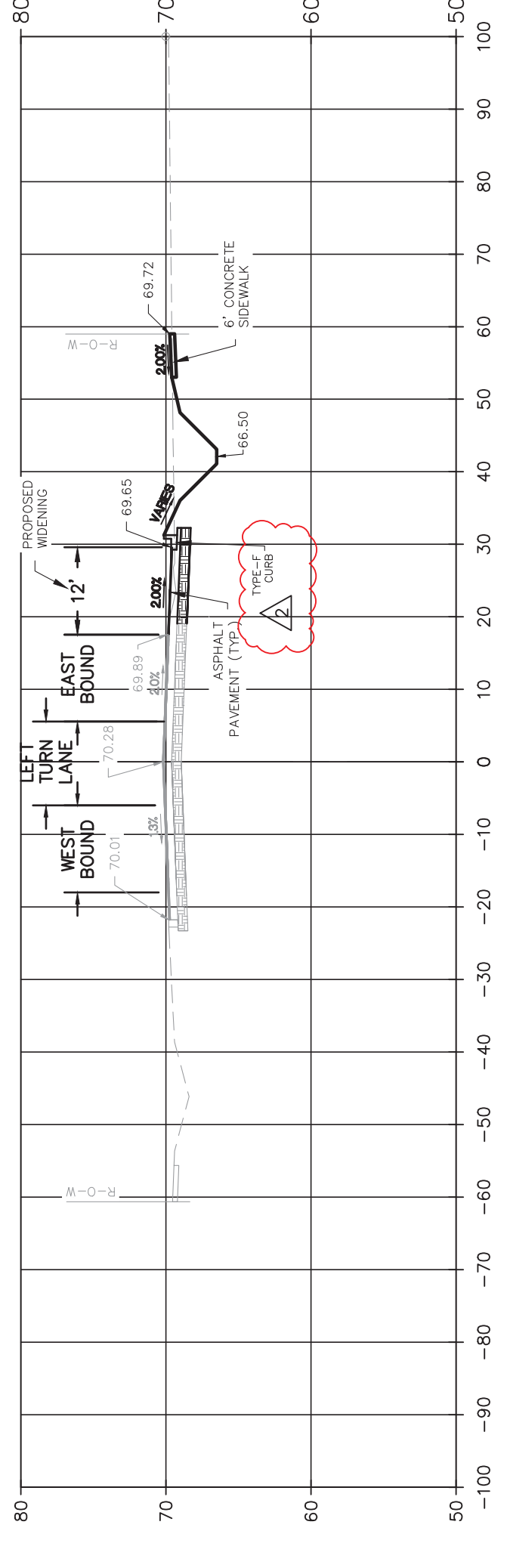
SECTION 102+50.00
H = 1" = 20'
V = 1" = 10'



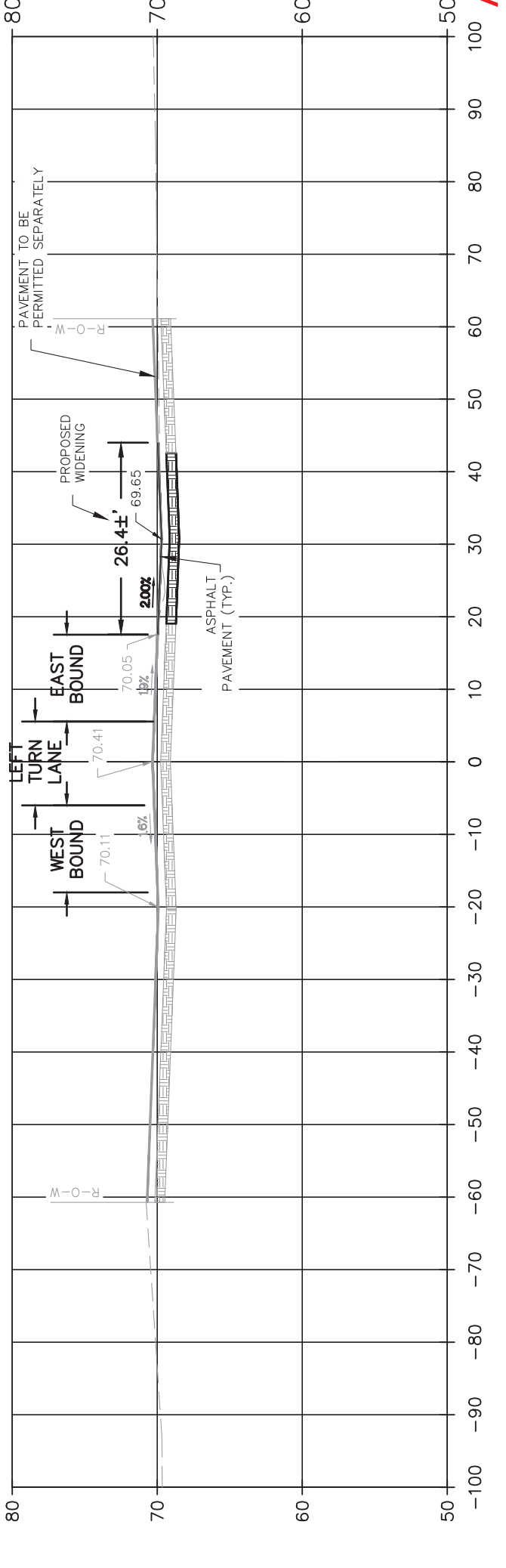
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V = 1" = 10'



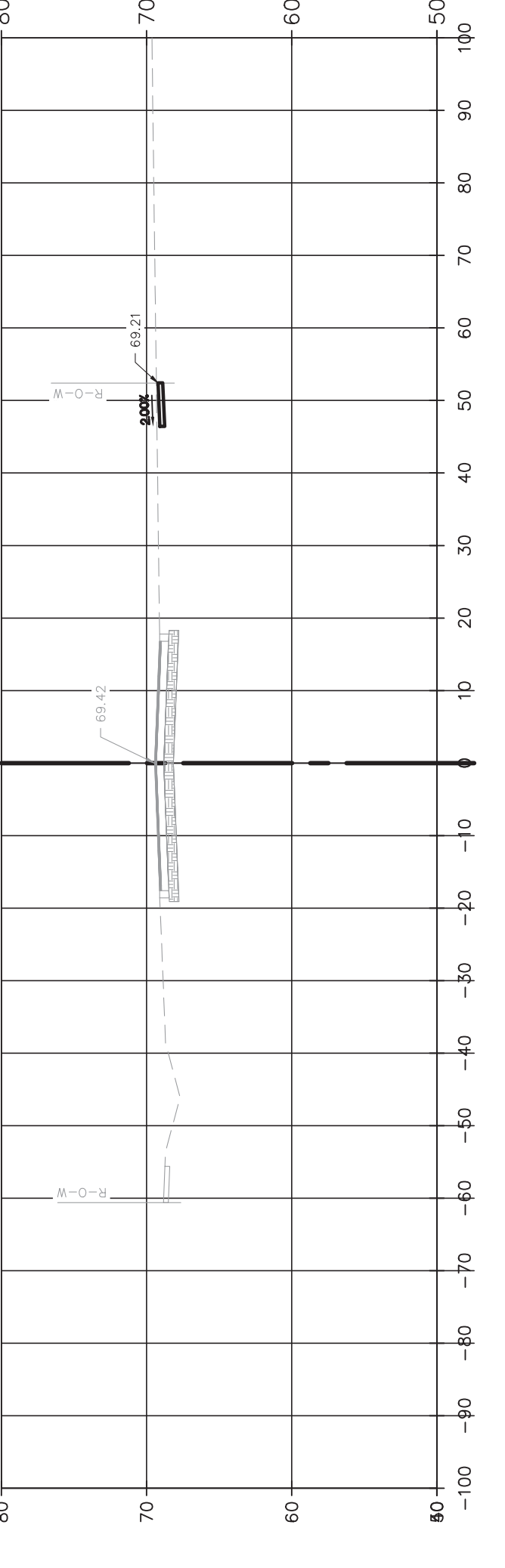
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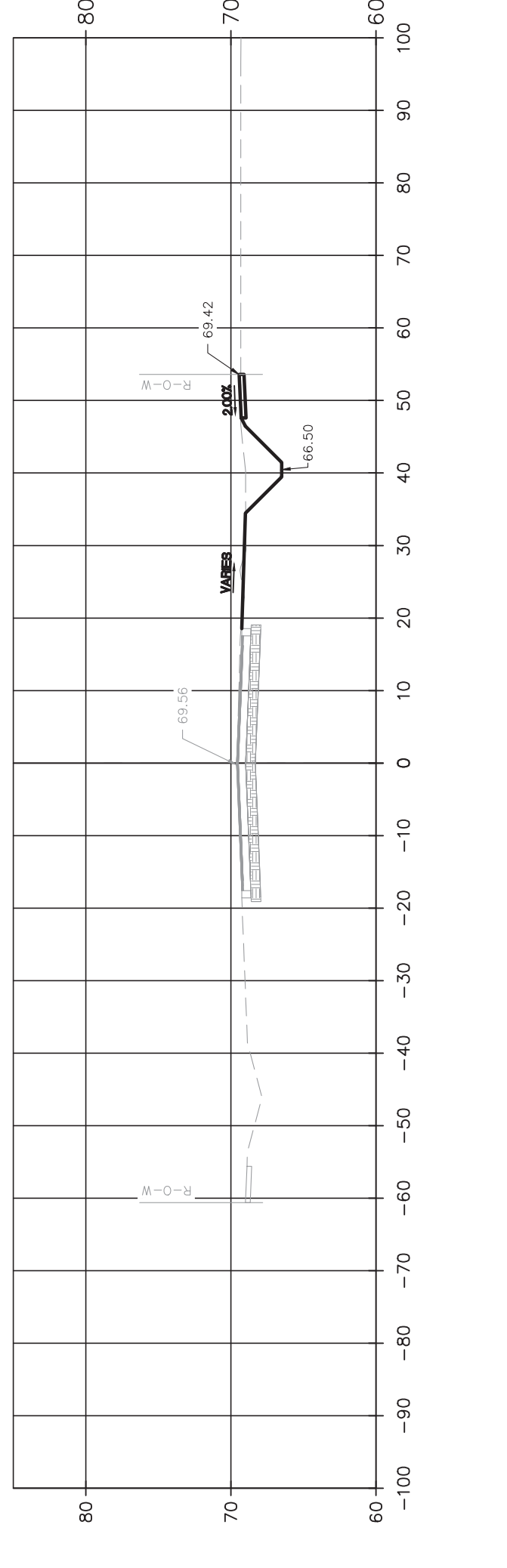
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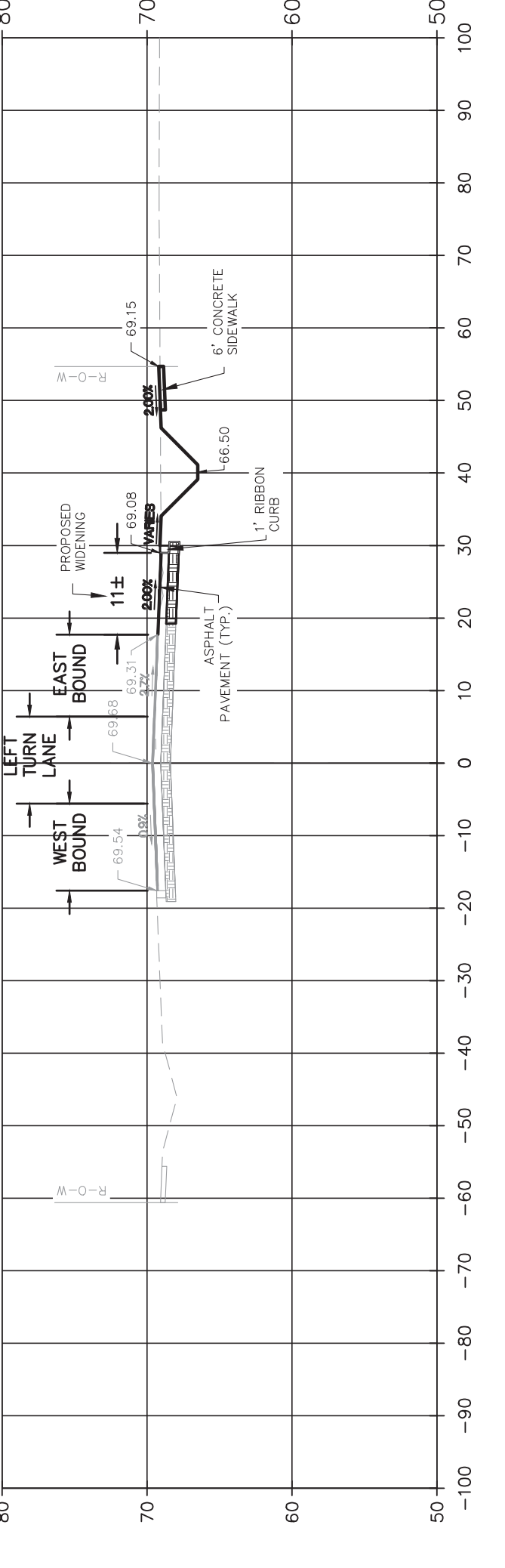
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V = 1" = 10'



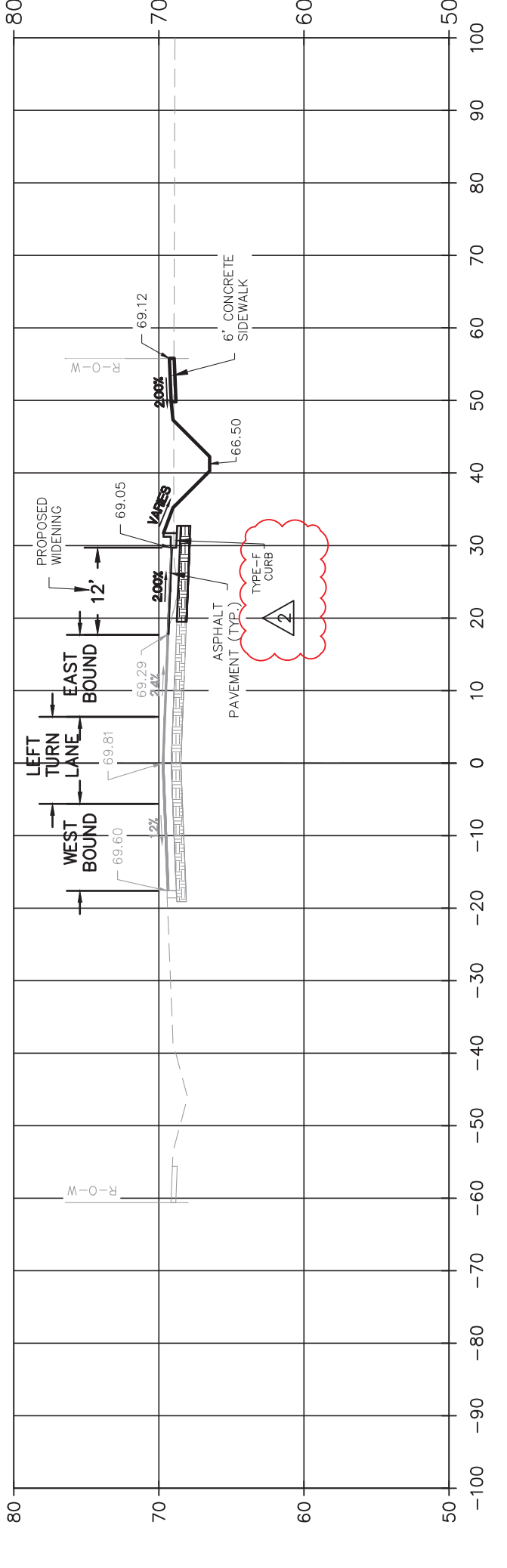
SECTION 101+00.00
H = 1" = 20'
V = 1" = 10'



SECTION 101+50.00
H = 1" = 20'
V = 1" = 10'



SECTION 102+00.00
H = 1" = 20'
V = 1" = 10'



THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY FLORIDA AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION

APPROVED
Hector Martinez
Hector Martinez, E.I.
FOR THE ORANGE COUNTY ENGINEER
05/20/2024

APPROVED 5/17/2024
Digitally signed by Roger Adison Stroud III
Date: 2024.05.17 08:34:36 -0400
Adison Stroud, E.I.
FOR THE MANAGER
ORANGE COUNTY UTILITIES DEPARTMENT
THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS AND SPECIFICATIONS.



MADDEN
 BOORHEAD & STONES, LLC
CIVIL ENGINEERS
 431 E. Heratio Avenue
 Suite 260
 Maitland, Florida 32751
 (407) 629-8330

CROSS SECTIONS
 FOR
LAKE PICKETT ROAD IMPROVEMENTS
 ORANGE COUNTY
 FLORIDA

M/I HOMES
 400 INTERNATIONAL PARKWAY
 LAKE MARY, FLORIDA 32746
 (407) 531-5177

ENGINEER IN CHARGE:
 BENJAMIN S. BECKHAM, P.E. #79452
 April 8, 2024
 CERTIFICATE OF AUTHORIZATION NO. CA-0007723

DATE	REVISIONS
01/12/24	REVISED PER ORANGE COUNTY COMMENTS

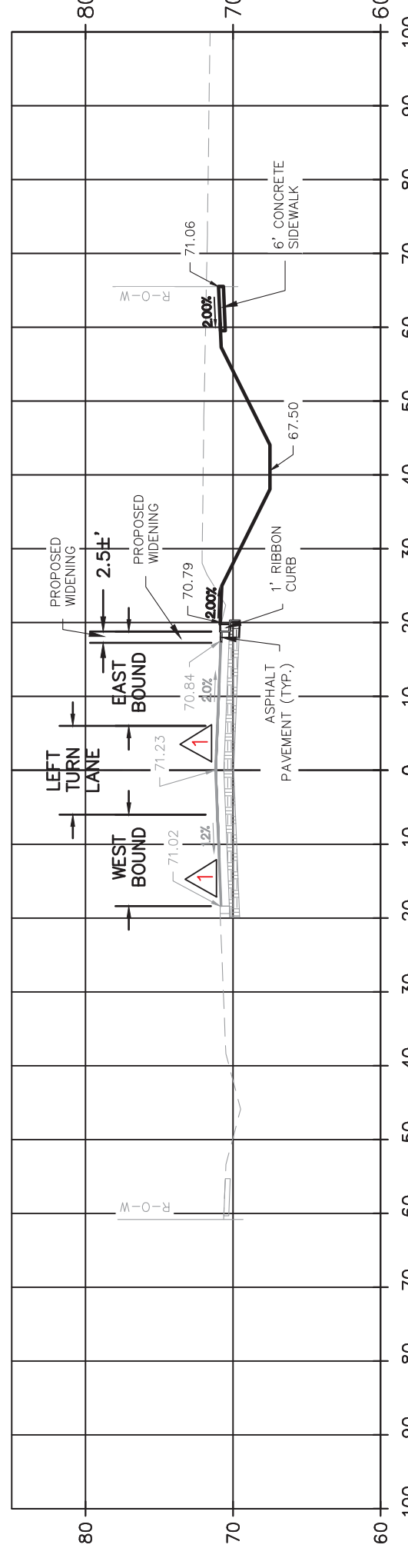
JOB # 210877
 DATE 01/19/2024
 SCALE AS SHOWN
 DESIGNED BY Roger Adison
 DRAWN BY Stroud III
 APPROVED BY Adison Stroud, E.I.

C502

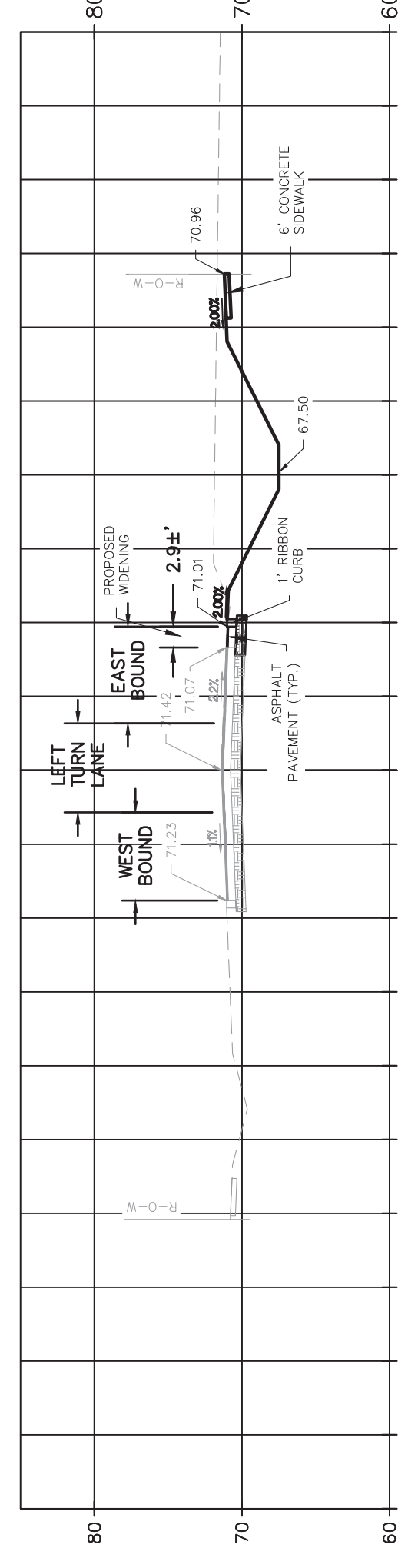
APPROVED 5/17/2024
 Digitally signed by
Roger Adison
 Roger Adison
 Date: 2024.05.17
 08:34:36 -0400
 Adison Stroud, E.I.
 FOR THE MANAGER,
 ENGINEERING DIVISION
 ORANGE COUNTY UTILITIES DEPARTMENT
 THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS
 OF ORANGE COUNTY UTILITIES DIVISION STANDARDS
 AND SPECIFICATIONS.

THIS APPROVAL IS SUBJECT TO EXISTING
 REQUIREMENTS OF ORANGE COUNTY
 FLORIDA AND ANY SPECIAL REQUIREMENTS
 OF THE ORANGE COUNTY COMMISSION
 APPROVED
Hector Martinez
 Hector Martinez, E.I.
 FOR THE ORANGE COUNTY ENGINEER
05/20/2024

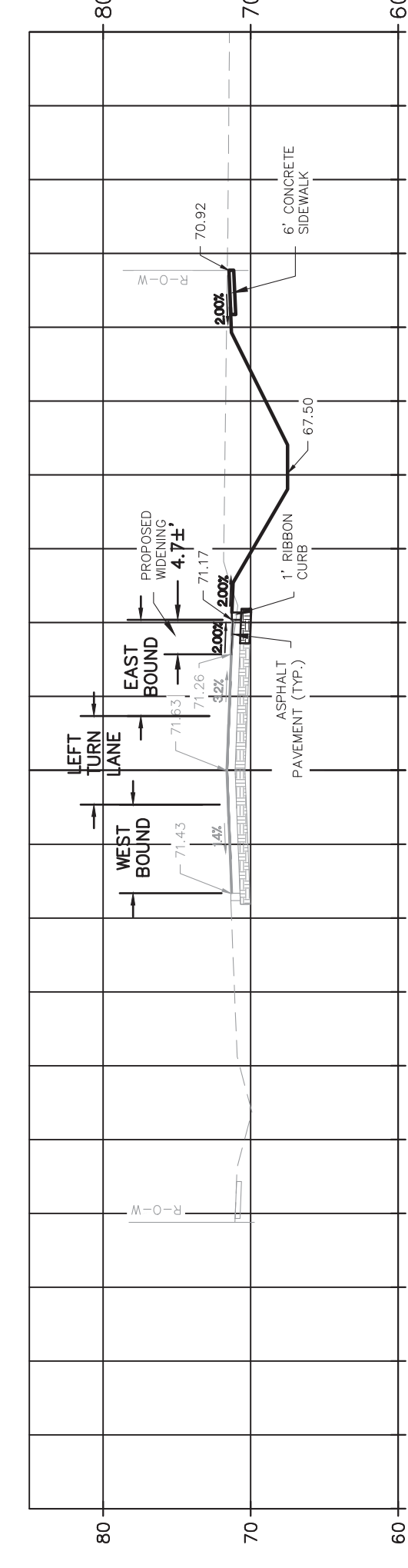
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 V = 1" = 10'



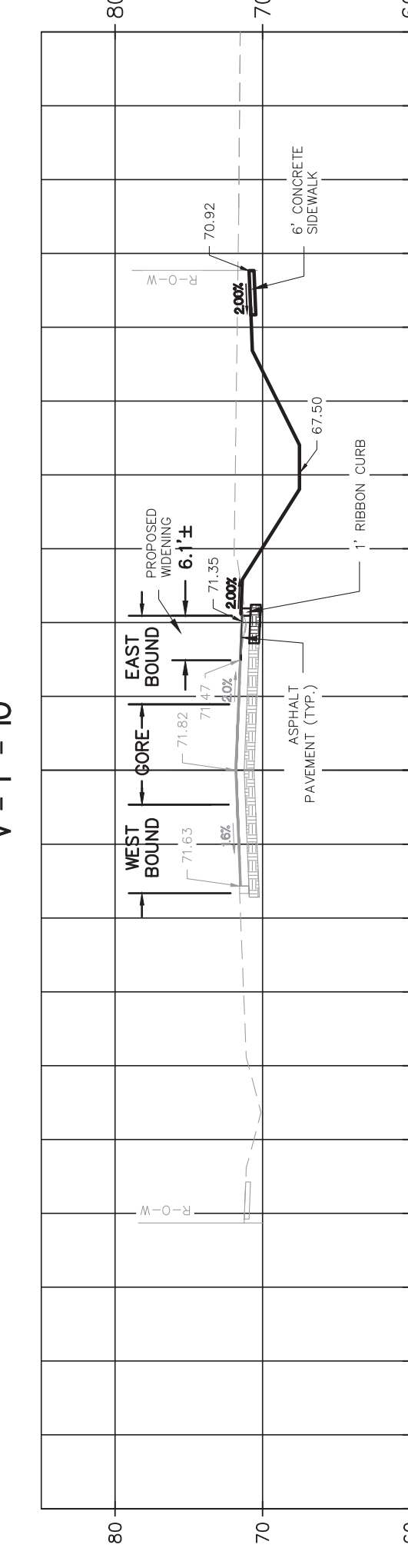
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 V = 1" = 10'



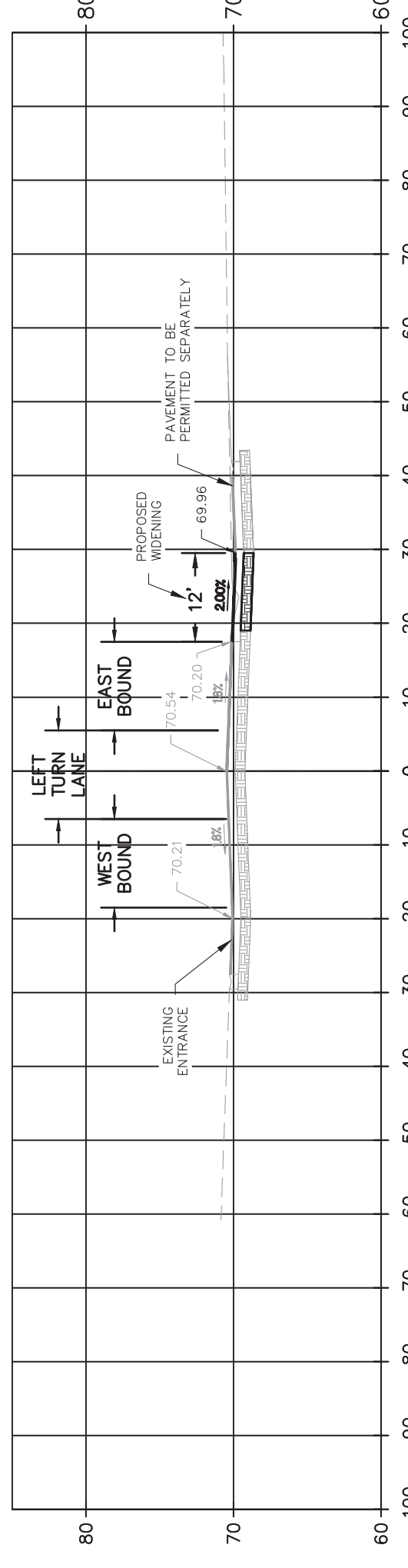
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 V = 1" = 10'



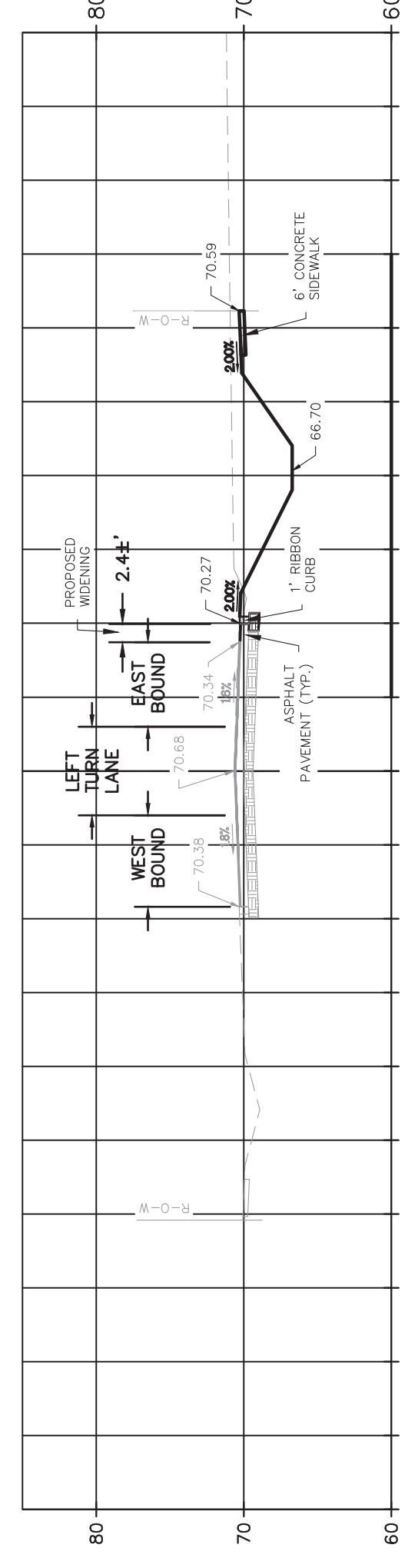
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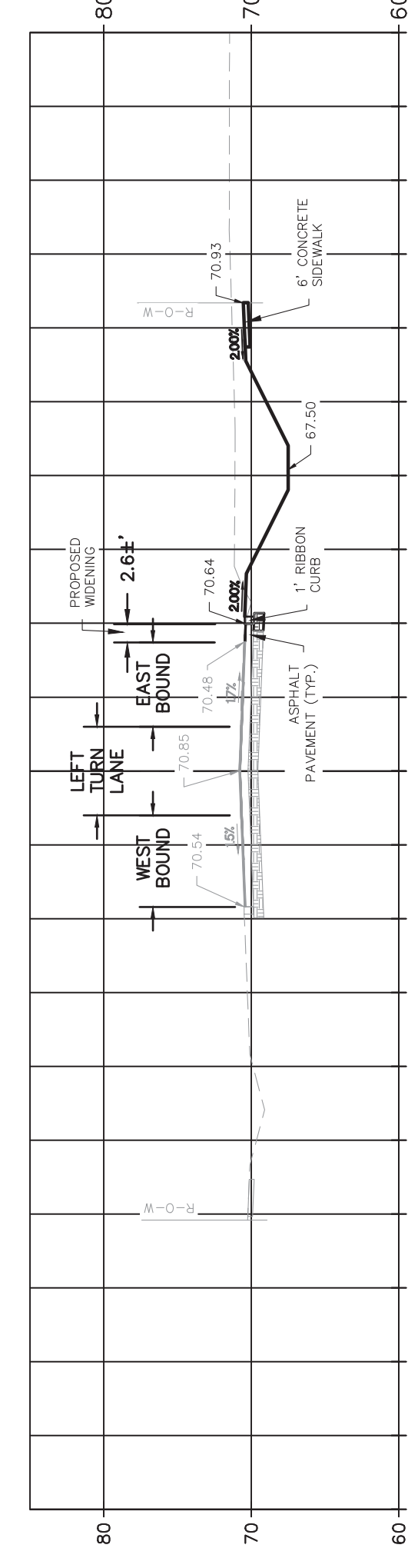
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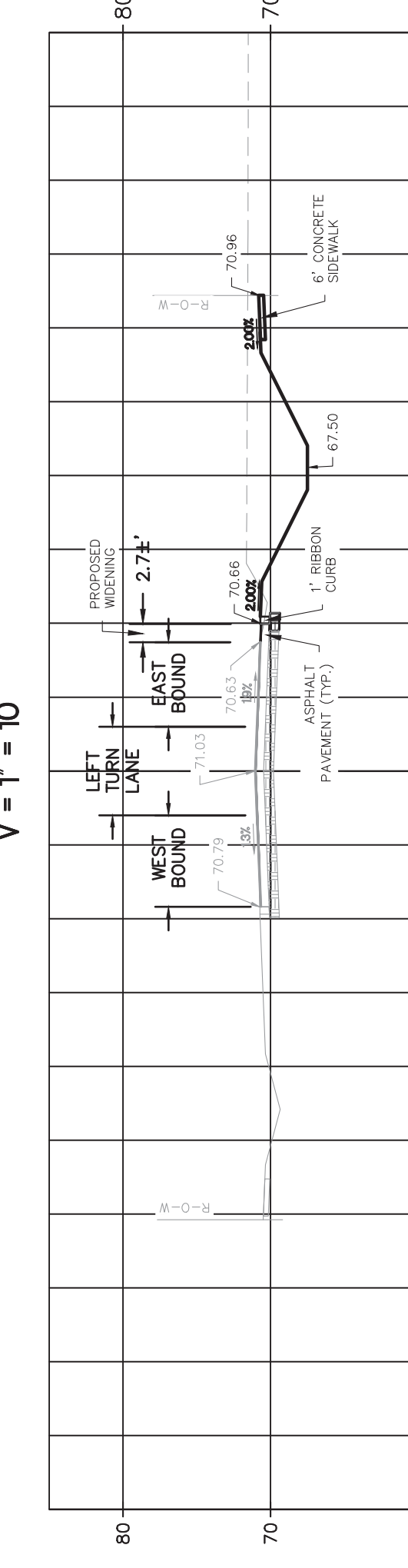
SECTION 105+00.00
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 V = 1" = 10'



SECTION 105+50.00
 H = 1" = 20'
 V = 1" = 10'

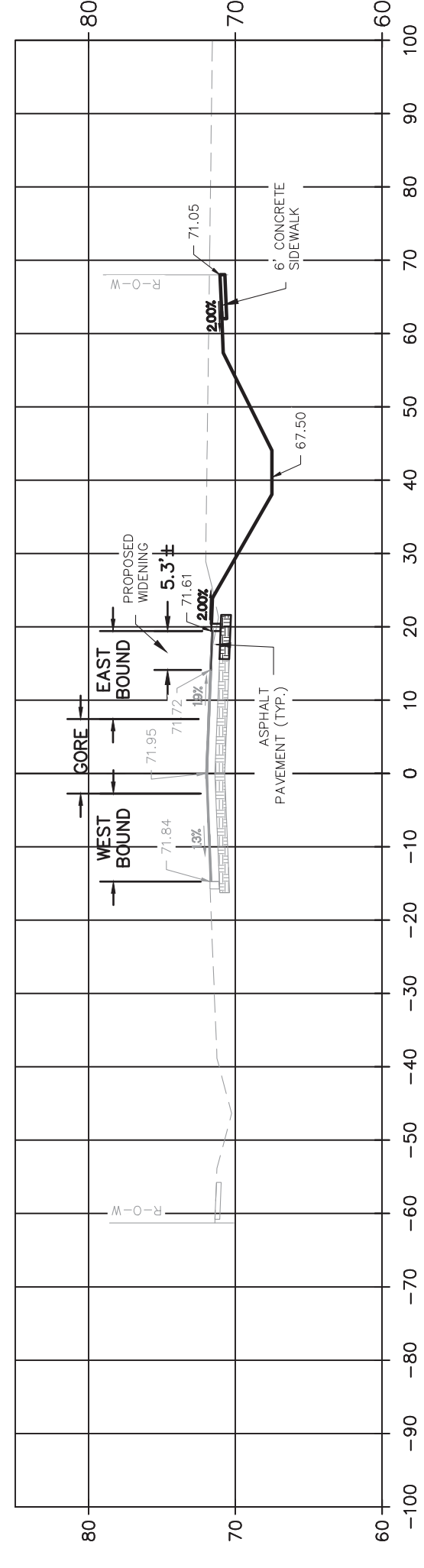


SECTION 106+00.00
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 V = 1" = 10'

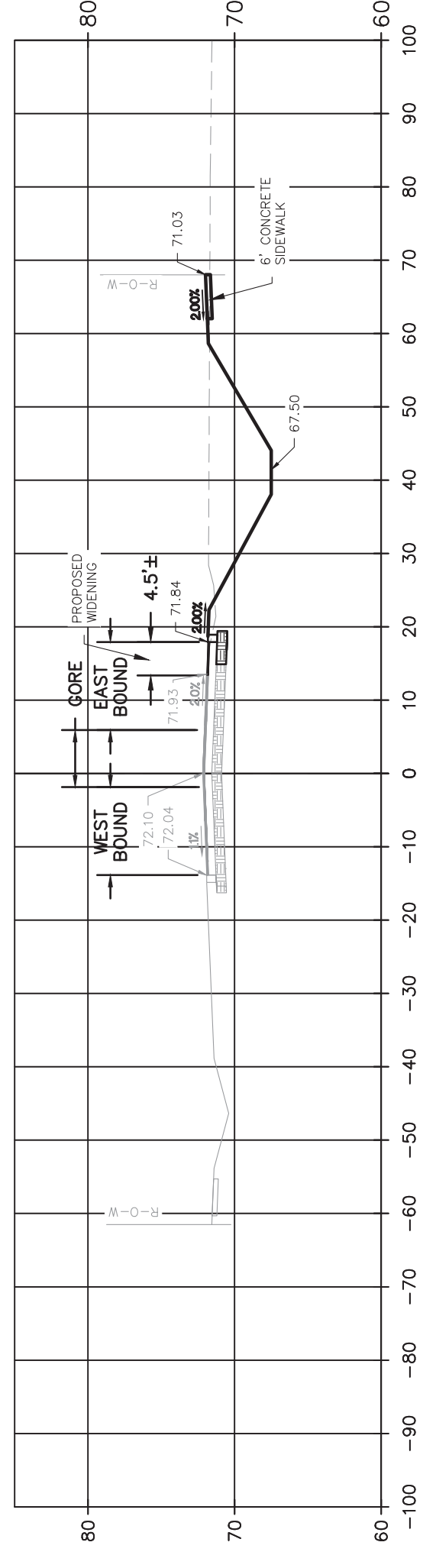


EXISTING ENTRANCE
 PARKWAY TO BE PERMITTED SEPARATELY

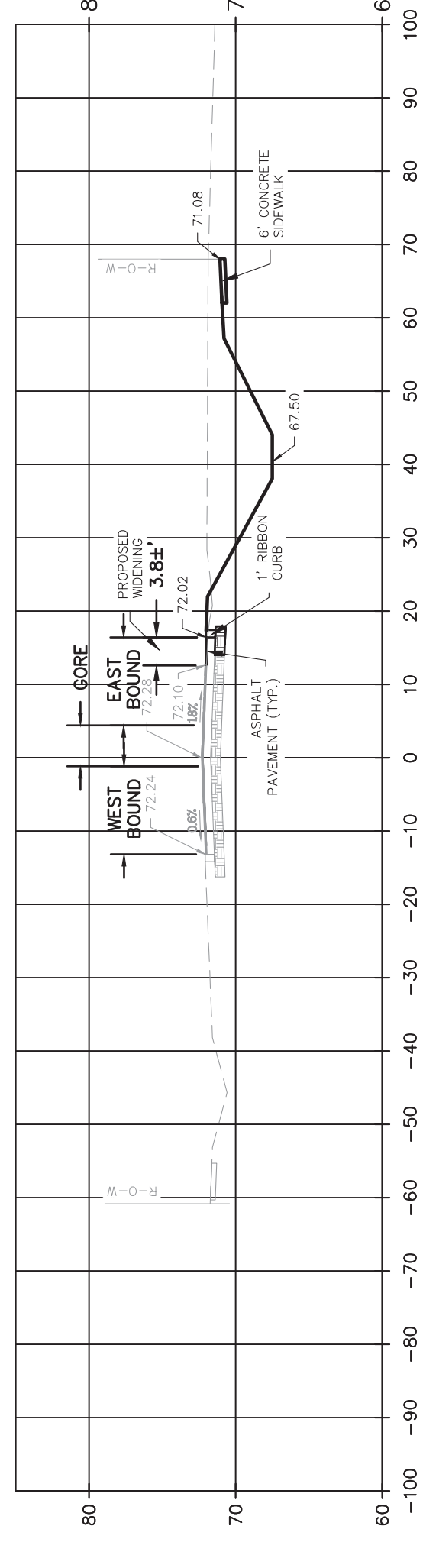
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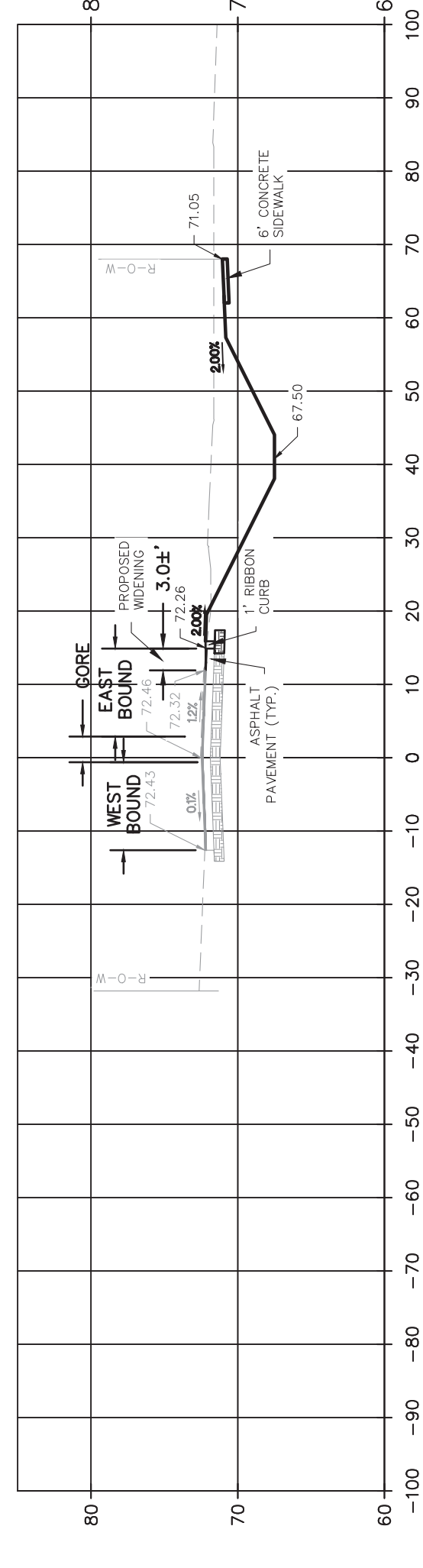
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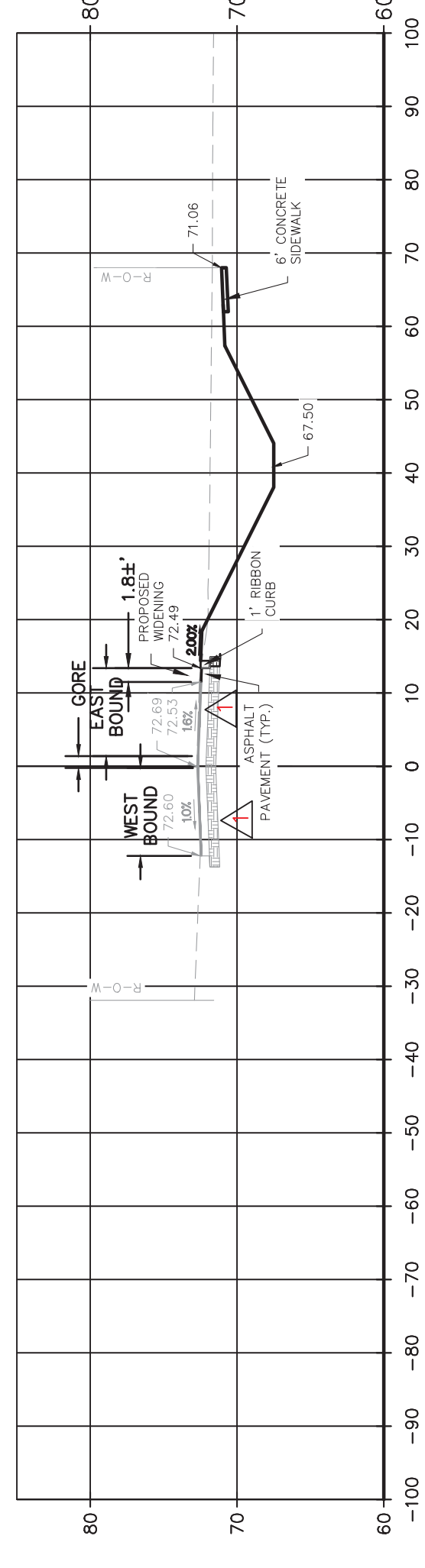
SECTION 109+50.00
H = 1" = 20'
V = 1" = 10'



SECTION 110+00.00
H = 1" = 20'
V = 1" = 10'



SECTION 110+50.00
H = 1" = 20'
V = 1" = 10'



THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY FLORIDA AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION

APPROVED

Hector Martinez
Hector Martinez, E.I.
FOR THE ORANGE COUNTY ENGINEER

05/20/2024



CROSS SECTIONS
FOR
LAKE PICKETT ROAD IMPROVEMENTS
ORANGE COUNTY
FLORIDA

M/I HOMES
400 INTERNATIONAL PARKWAY
LAKE MARY, FLORIDA 32746
(407) 531-5177

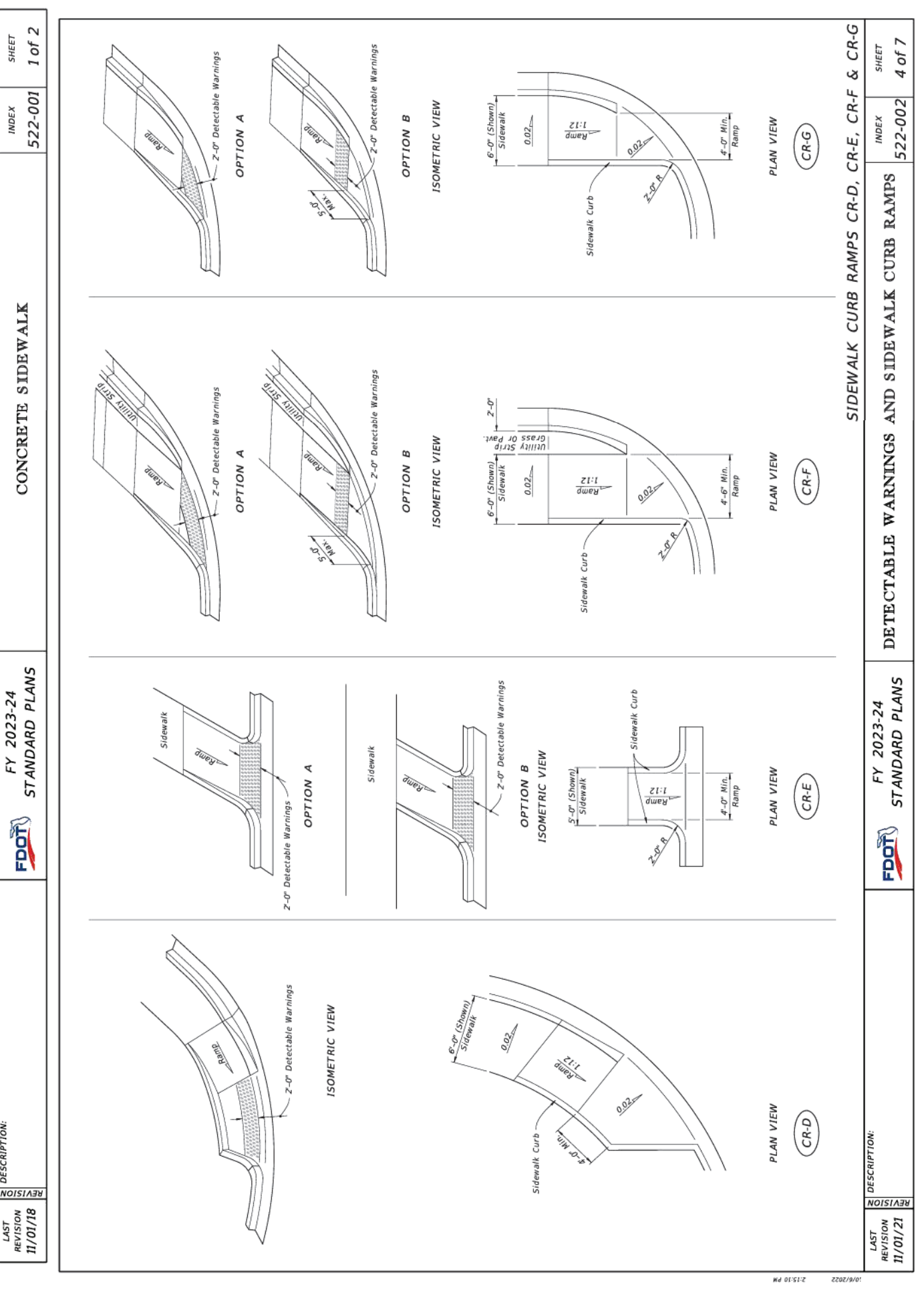
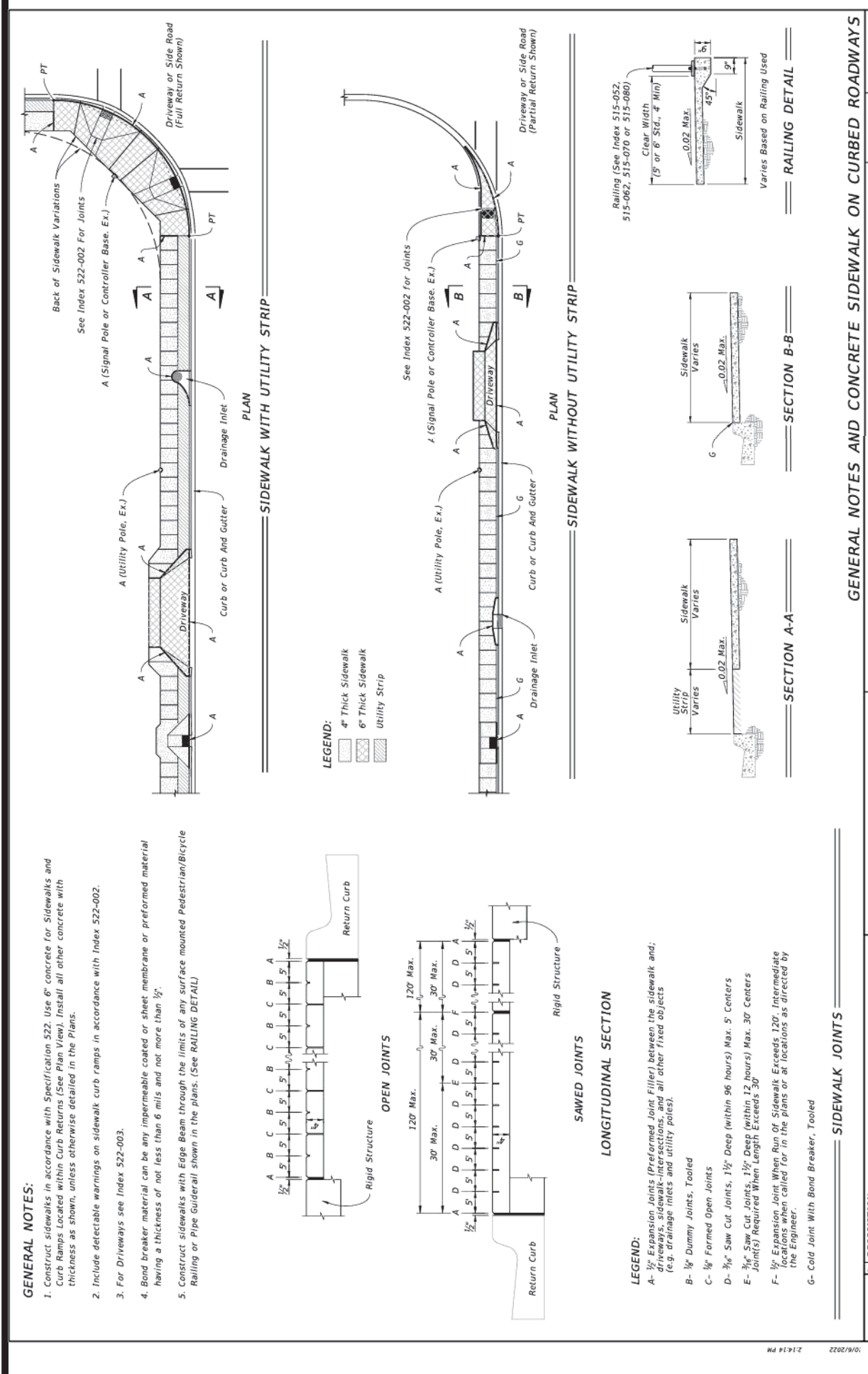
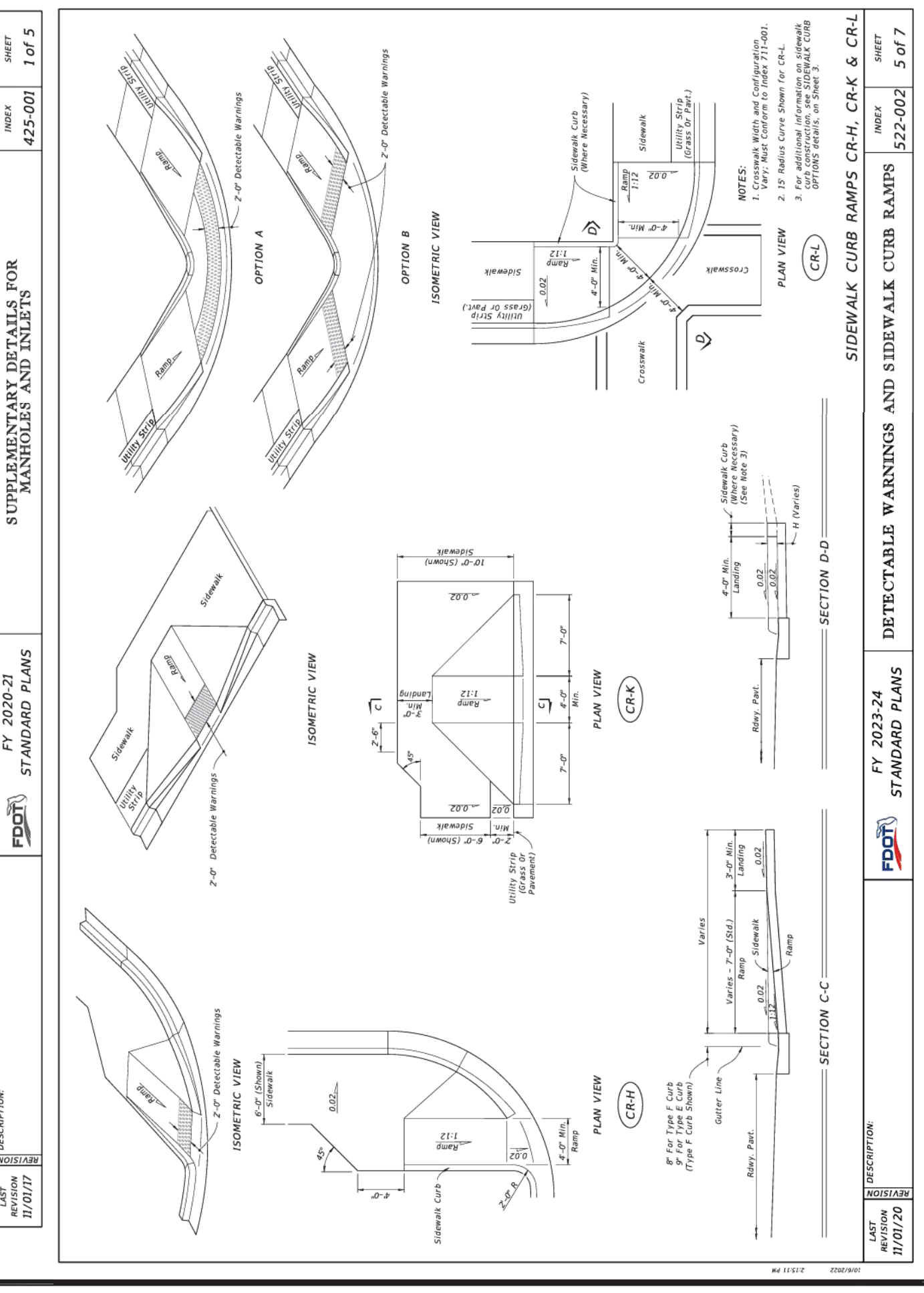
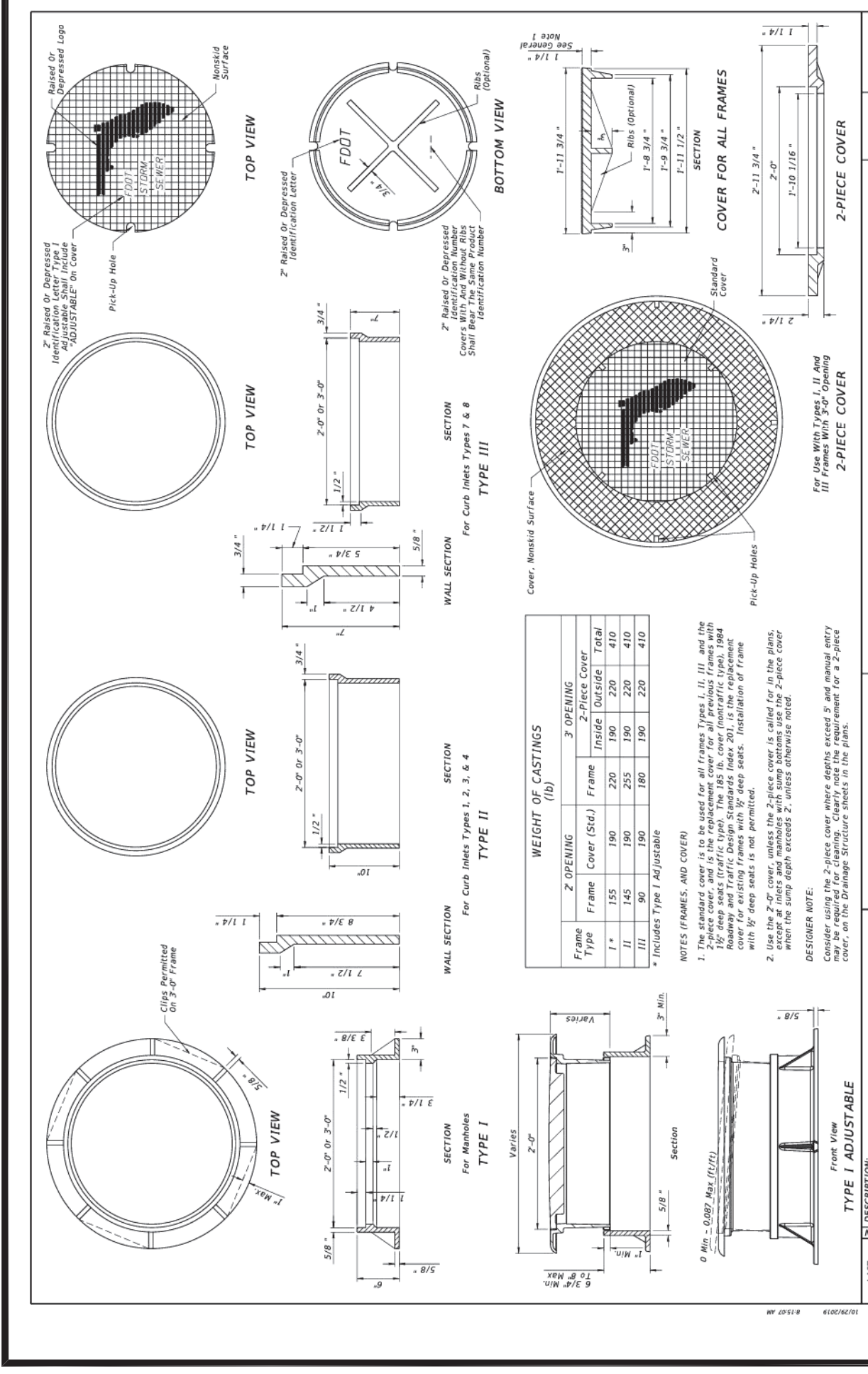
ENGINEER IN CHARGE:
BENJAMIN S. BECKHAM, P.E. #79452
April 8, 2024
CERTIFICATE OF AUTHORIZATION NO. CA-000723

DATE	REVISIONS
01/12/24	REVISED PER ORANGE COUNTY COMMENTS

JOB # 21087
DATE 01/19/2024
SCALE AS SHOWN
DESIGNED BY: ASH
DRAWN BY: BOB
APPROVED BY: BSB

C503

APPROVED 5/17/2024
Digitally signed by Roger Adison Stroud III
DN: cn=Roger Adison Stroud III, o=089436-04007
FOR THE MANAGER,
ENGINEERING DIVISION
ORANGE COUNTY UTILITIES DEPARTMENT
THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY UTILITIES DIVISION STANDARDS AND SPECIFICATIONS.



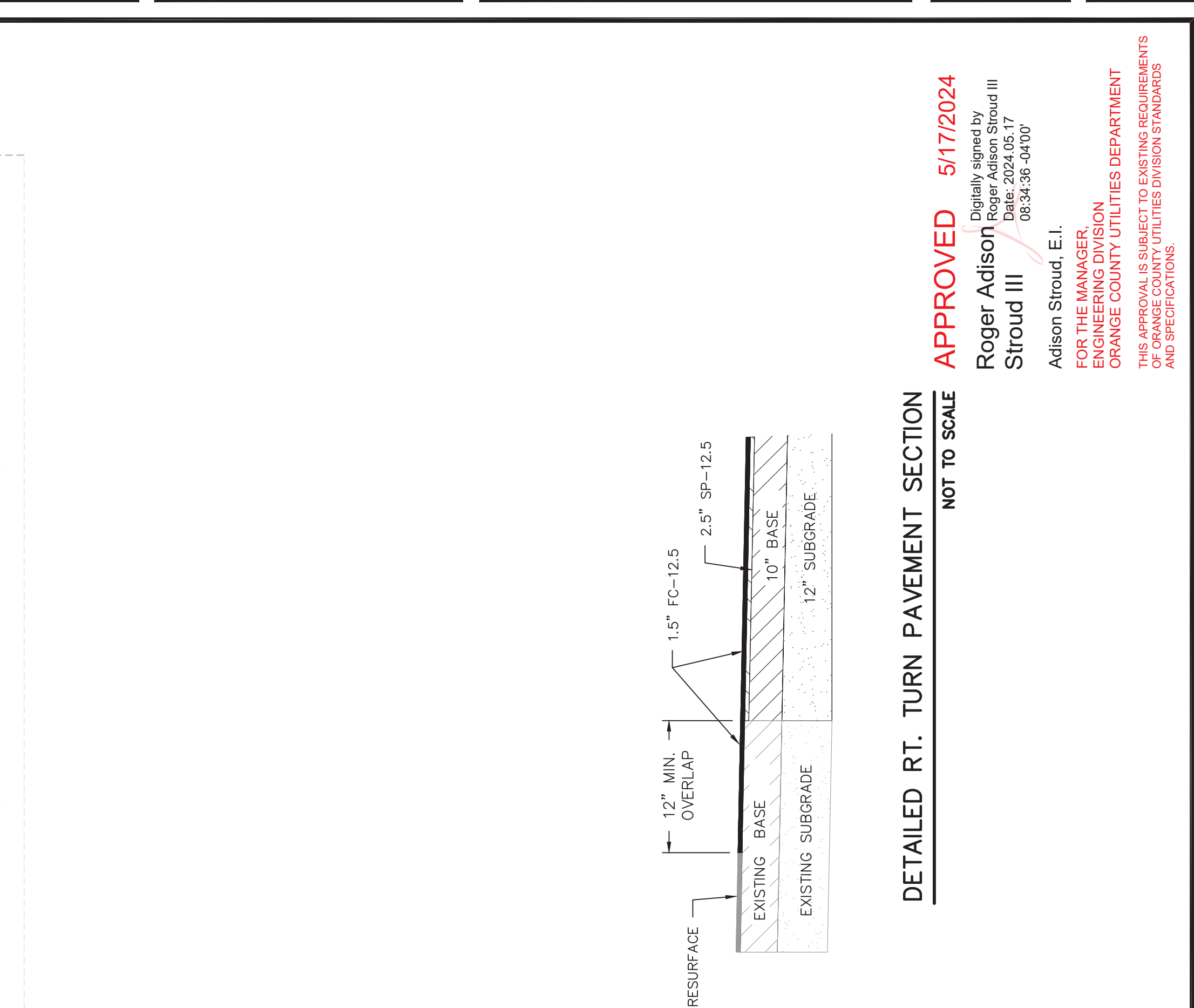
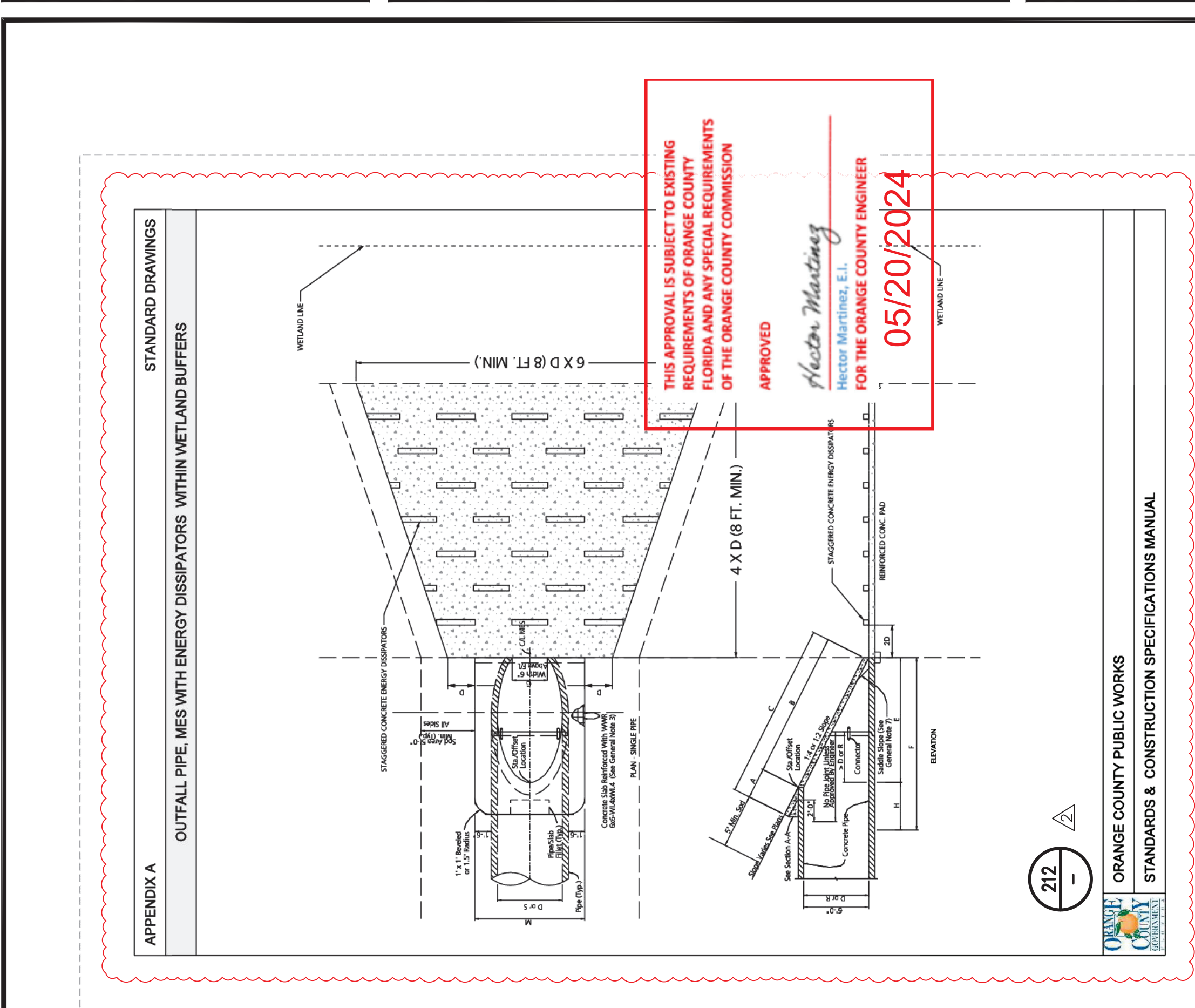
CONSTRUCTION DETAILS
FOR
LAKE PICKETT ROAD IMPROVEMENTS
ORANGE COUNTY
FLORIDA

M/I HOMES
400 INTERNATIONAL PARKWAY
LAKE MARY, FLORIDA 32746
(407) 531-5177

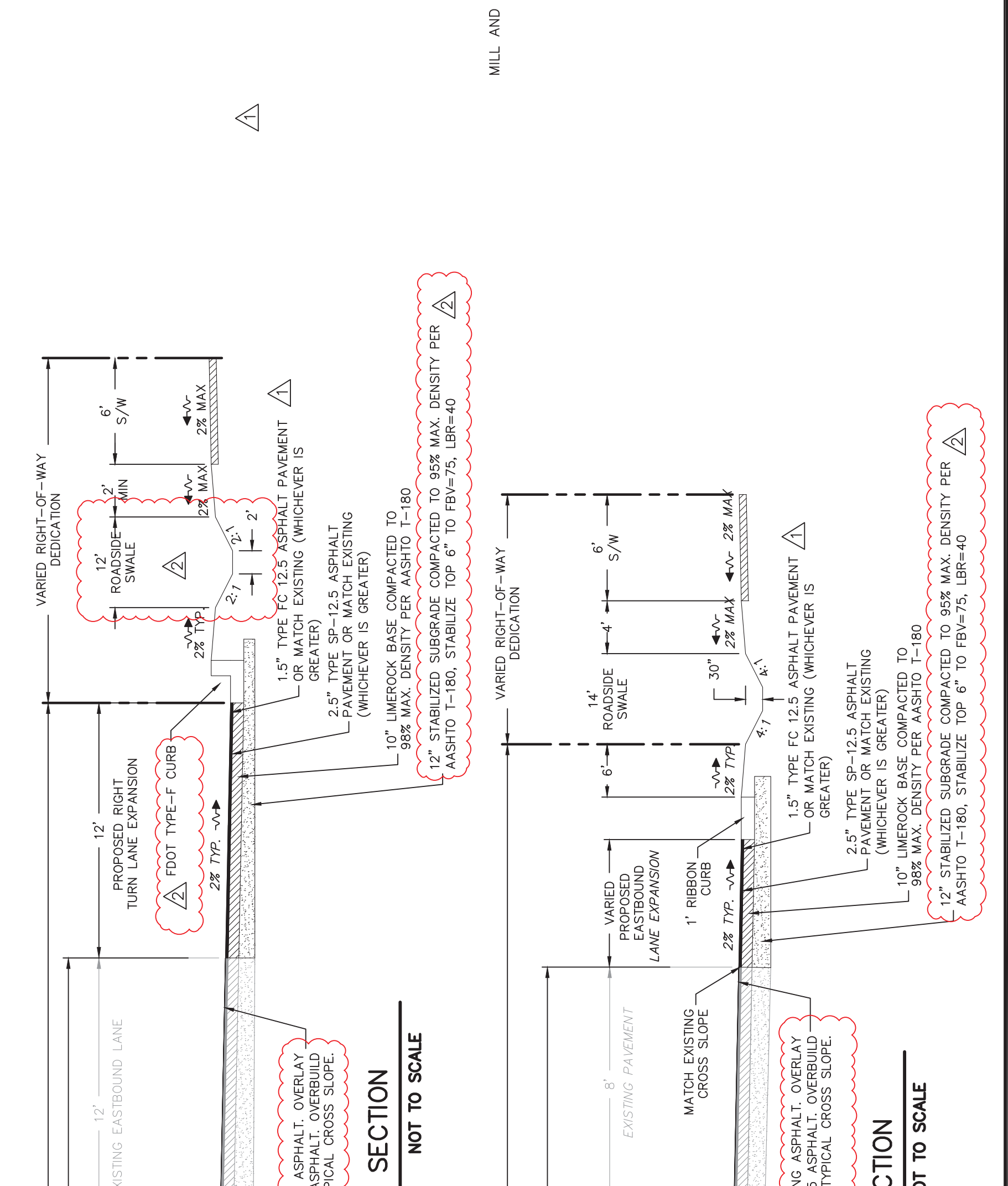
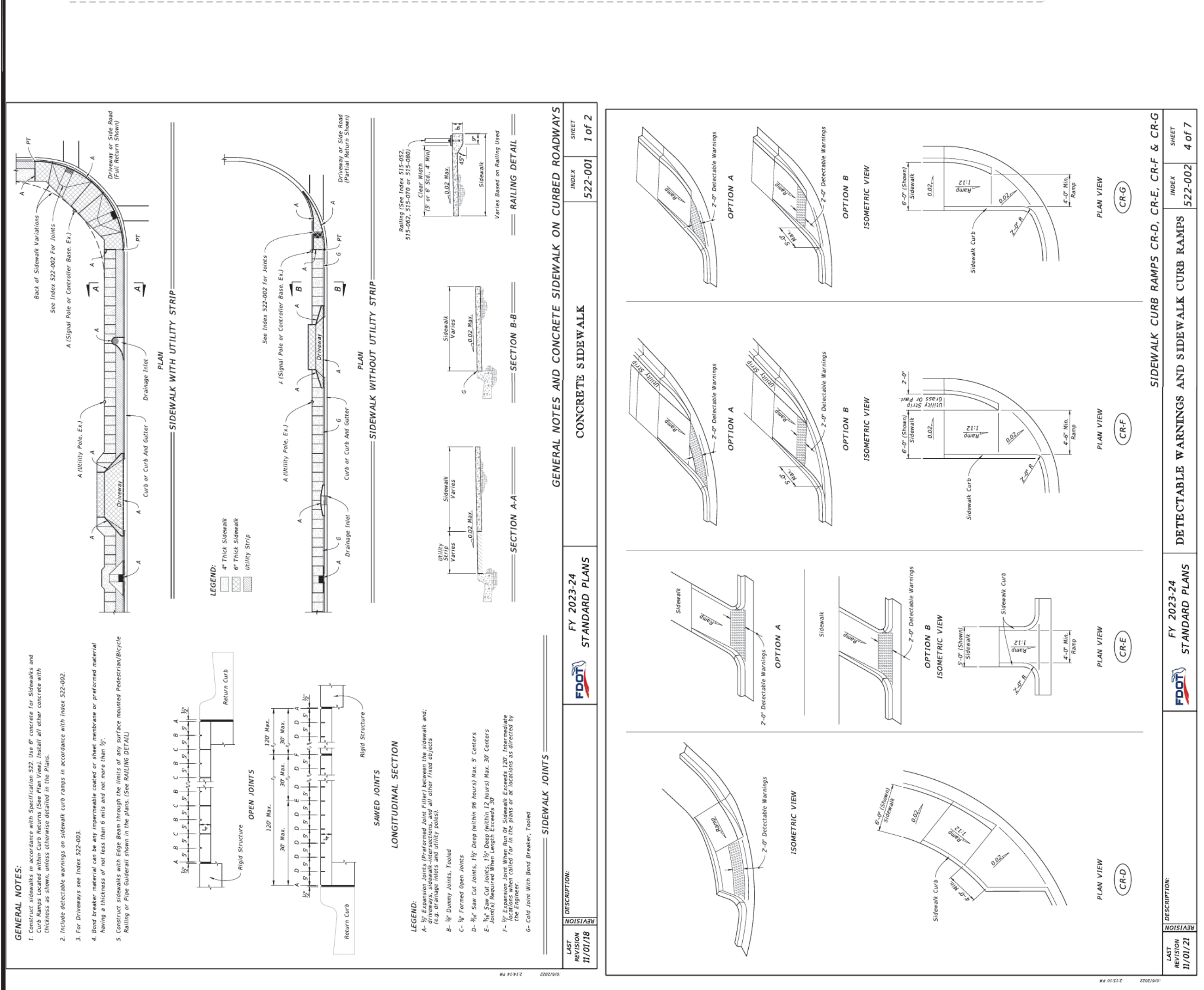
BENJAMIN S. BECKHAM, P.E. #79452
APRIL 8, 2024
CERTIFICATE OF AUTHORIZATION NO. CA-0007723

DATE	REVISIONS
07/14/24	REVISED PER ORANGE COUNTY COMMENTS
09/08/24	REVISED PER ORANGE COUNTY COMMENTS

JOB # 21087
DATE: 01/19/2024
SCALE: N/A
DESIGNED BY: RCH
DRAWN BY: BSB
APPROVED BY: BSB
C901



APPROVED 5/17/2024
Digitally signed by Roger Adison Stroud III
DN: cn=Roger Adison Stroud III, o=Stroud III, ou=Stroud III, email=astroud@stroudiii.com, c=US
08.34.38 -0407
Adison Stroud, E.I.
FOR THE MANAGER,
ENGINEERING DIVISION
ORANGE COUNTY UTILITIES DEPARTMENT
THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY UTILITIES DIVISION STANDARDS AND SPECIFICATIONS.

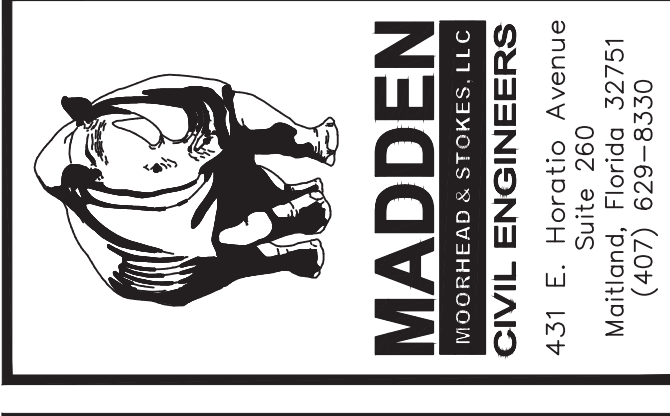


ORANGE COUNTY PUBLIC WORKS
STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL

SECTION C-C
SECTION D-D
SECTION E-E

LAKE PICKETT RD TYP. SECTION
NOT TO SCALE

LAKE PICKETT RD TYP. SECTION
NOT TO SCALE



MADDEN
ROADHEADS & STONES, LLC
CIVIL ENGINEERS
431 E. Hercules Avenue
Maitland, Florida 32751
(407) 629-8330

CONSTRUCTION DETAILS
FOR
LAKE PICKETT ROAD IMPROVEMENTS
ORANGE COUNTY
FLORIDA

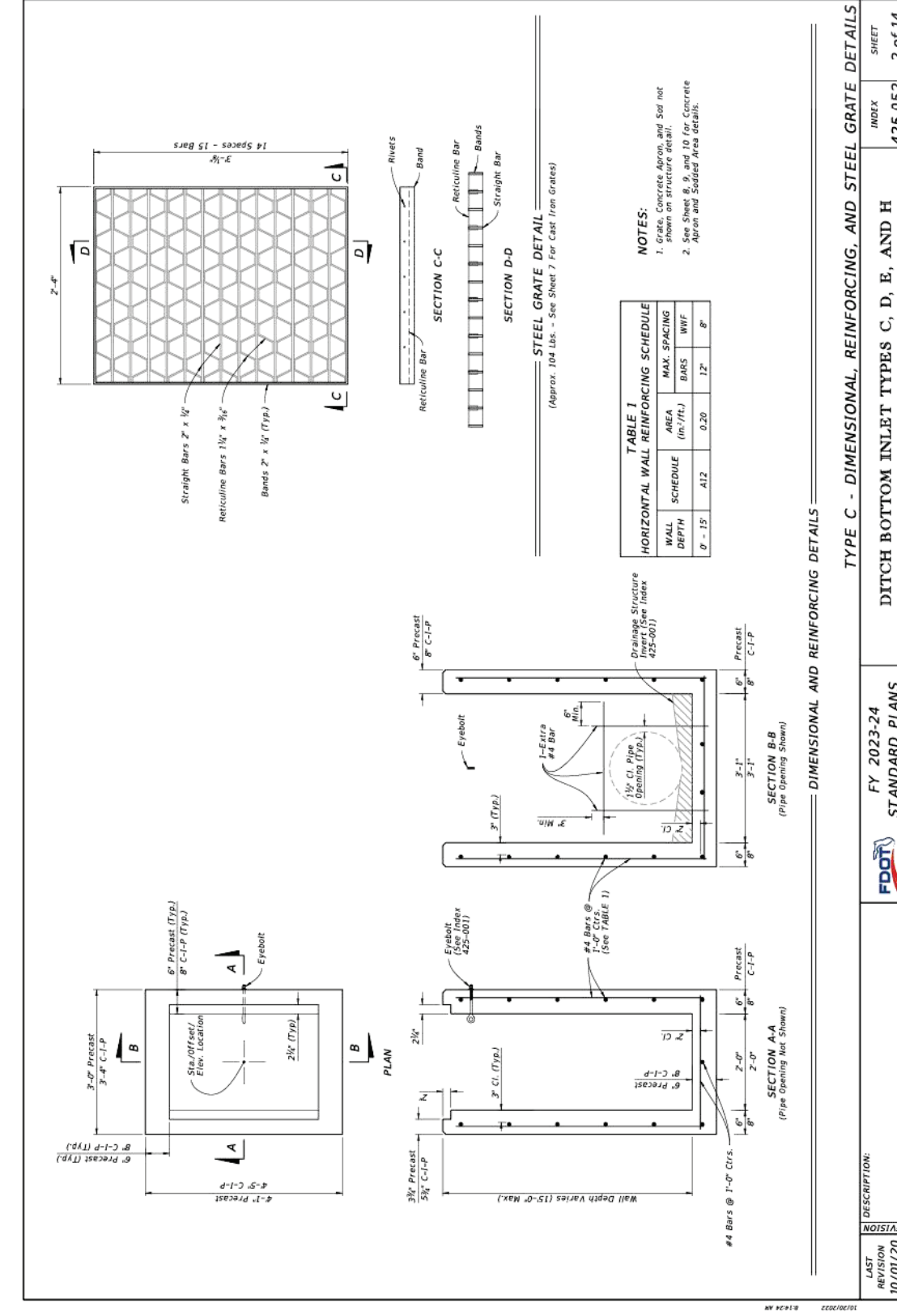
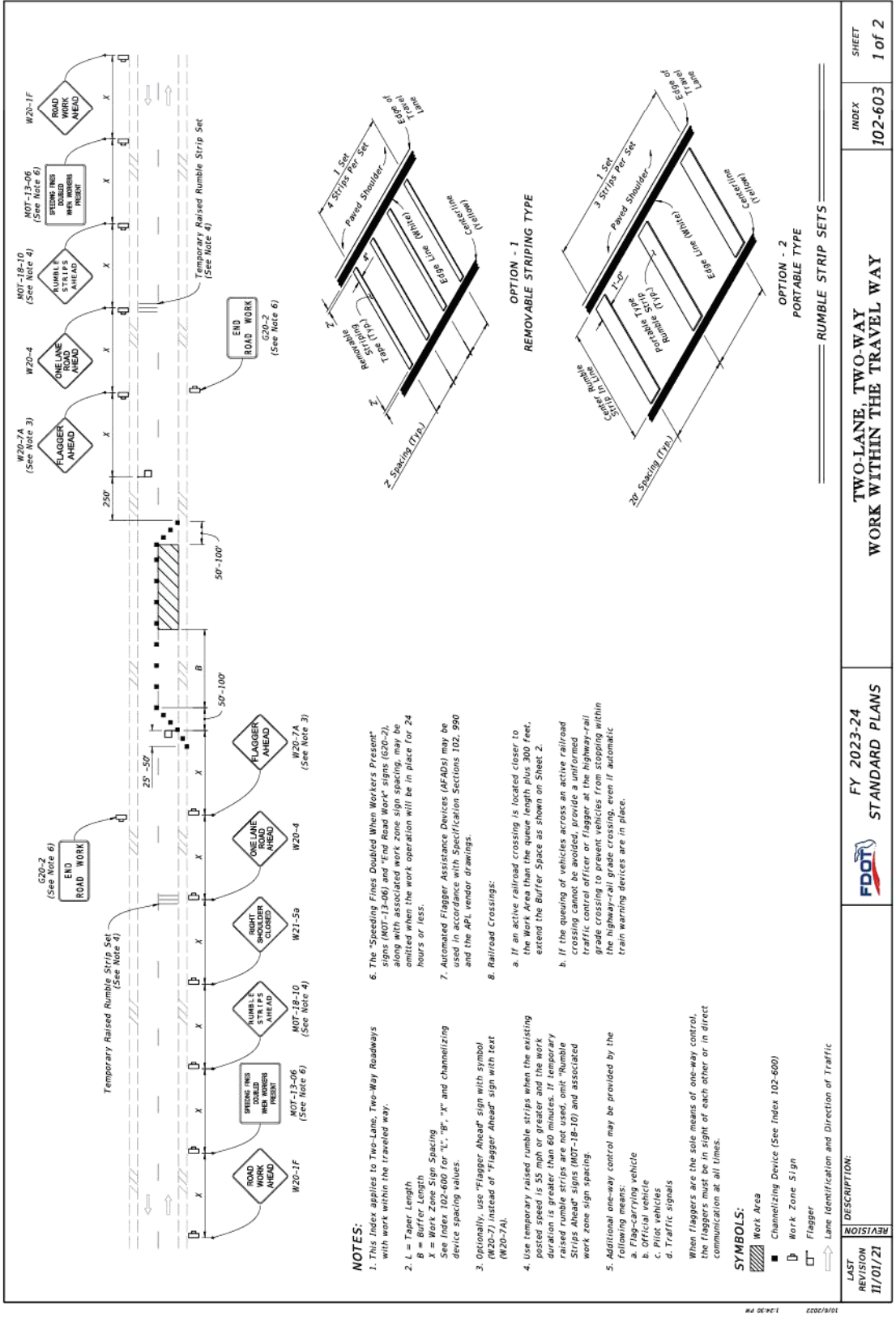
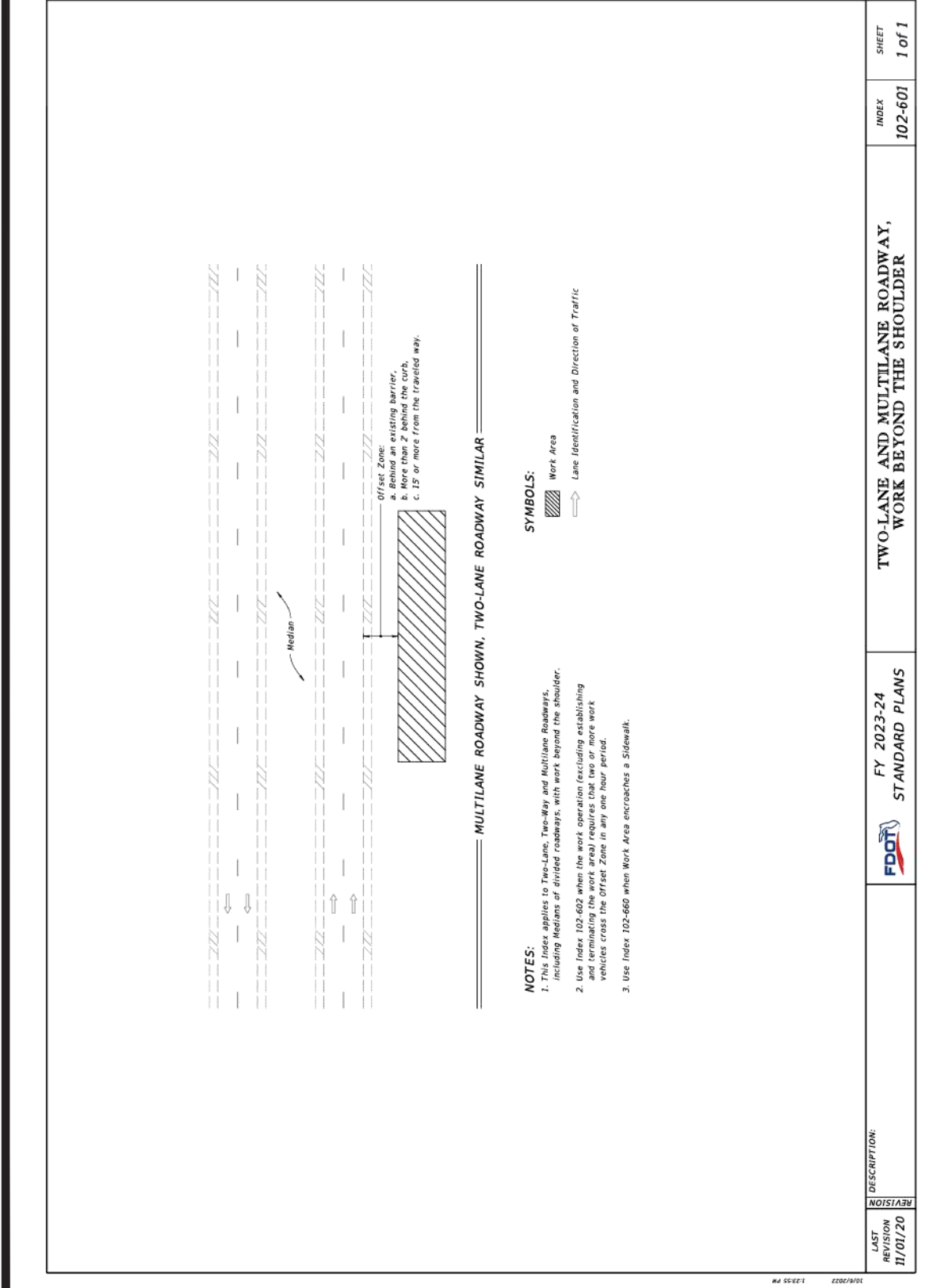
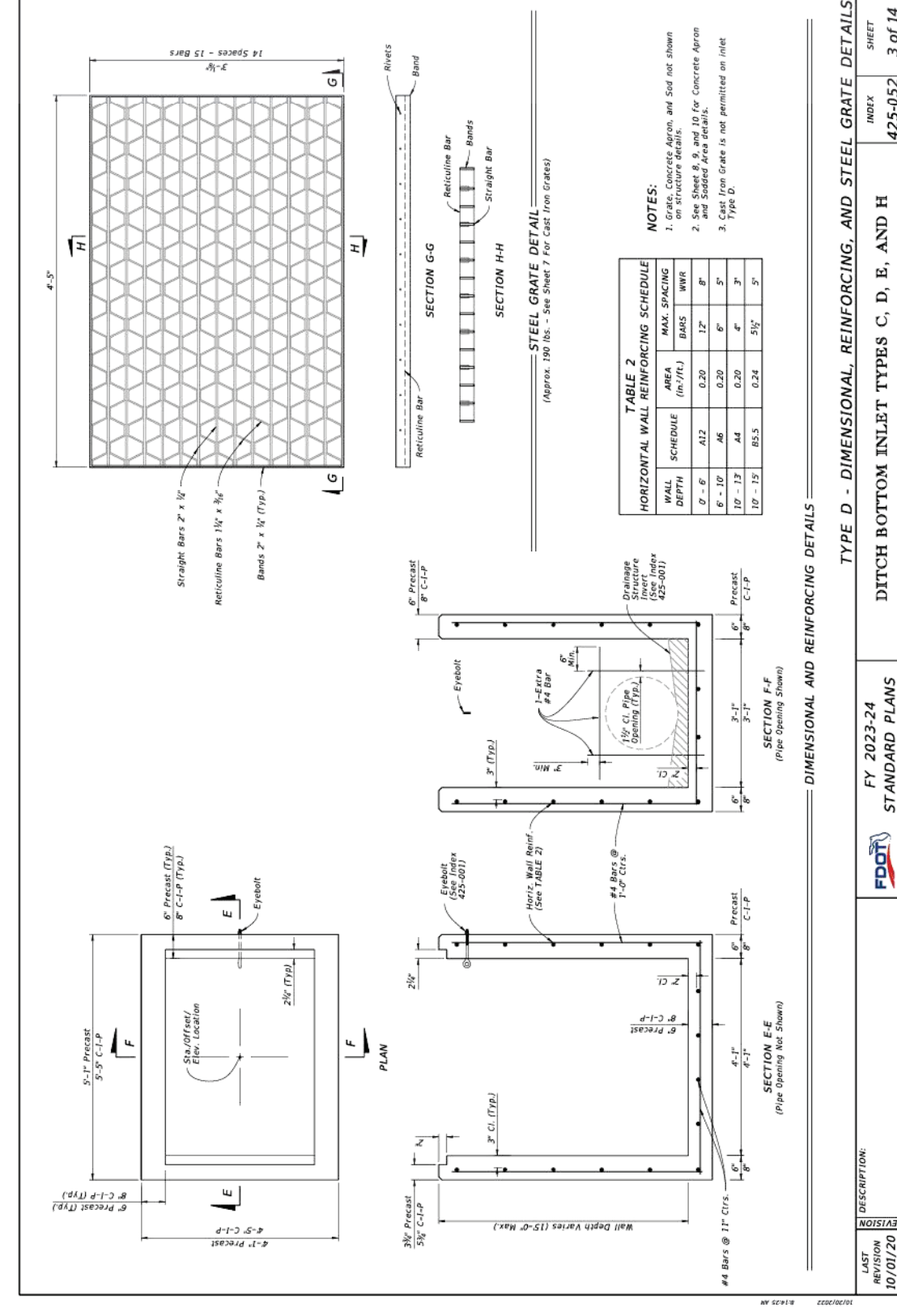
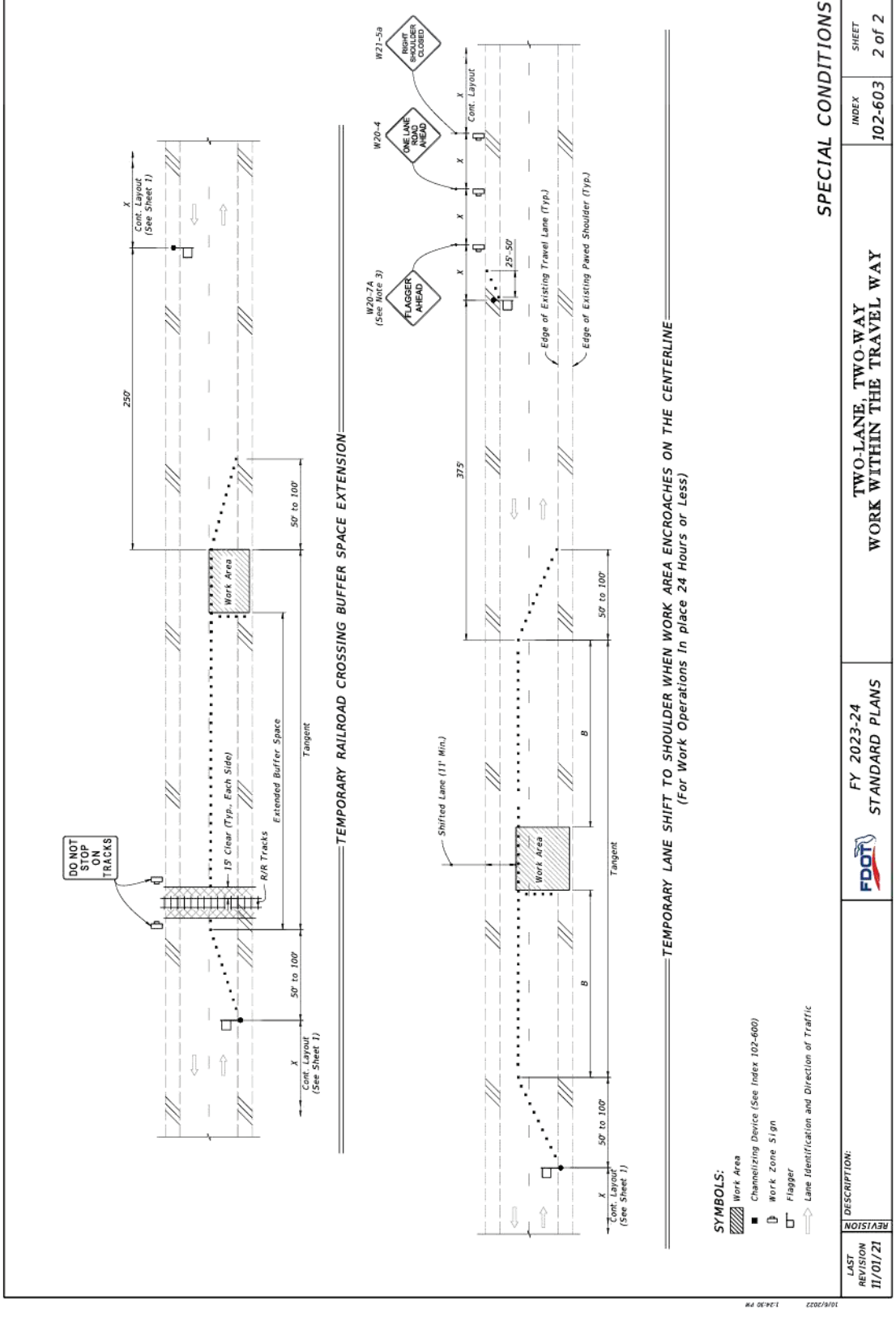
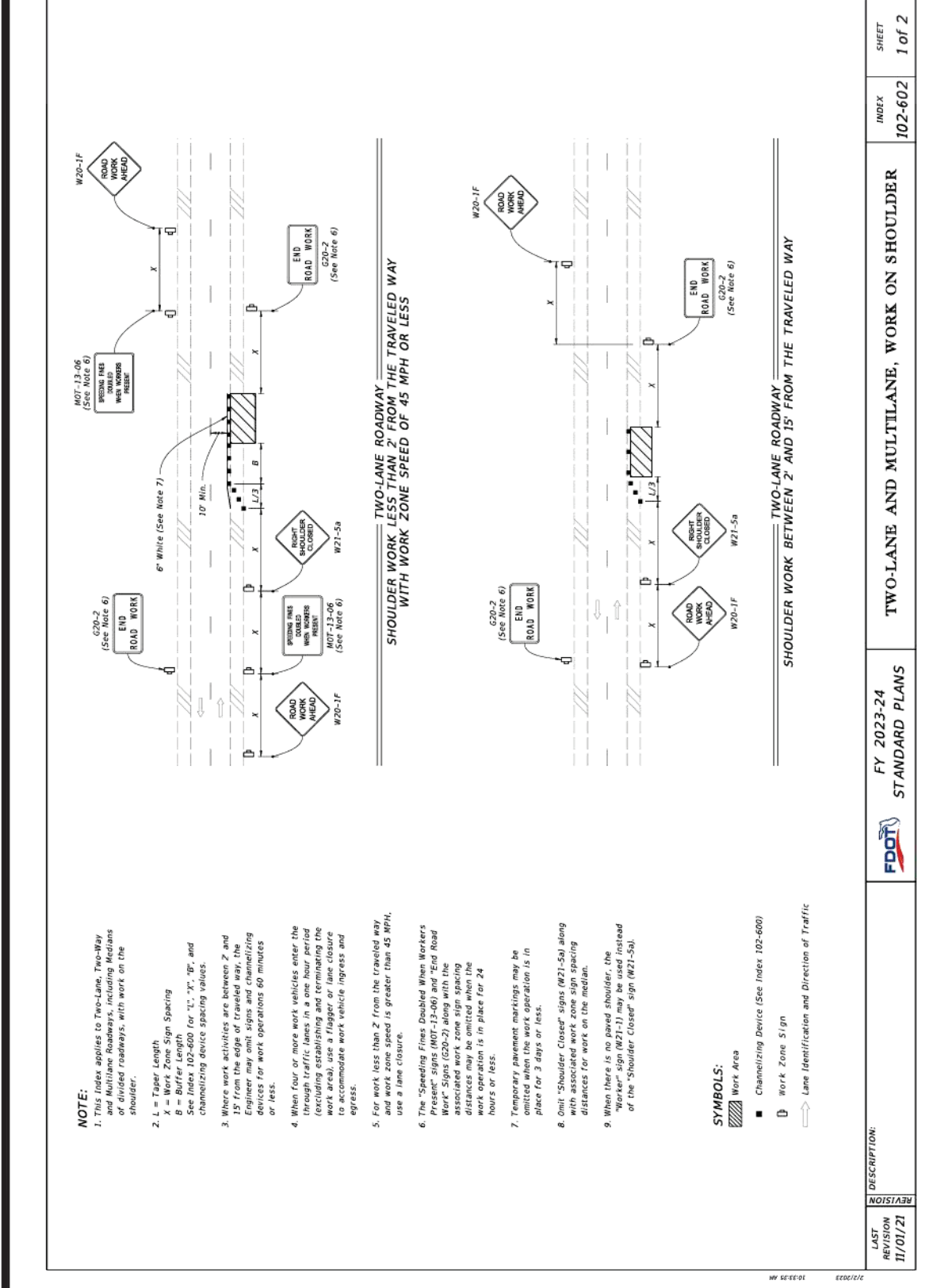
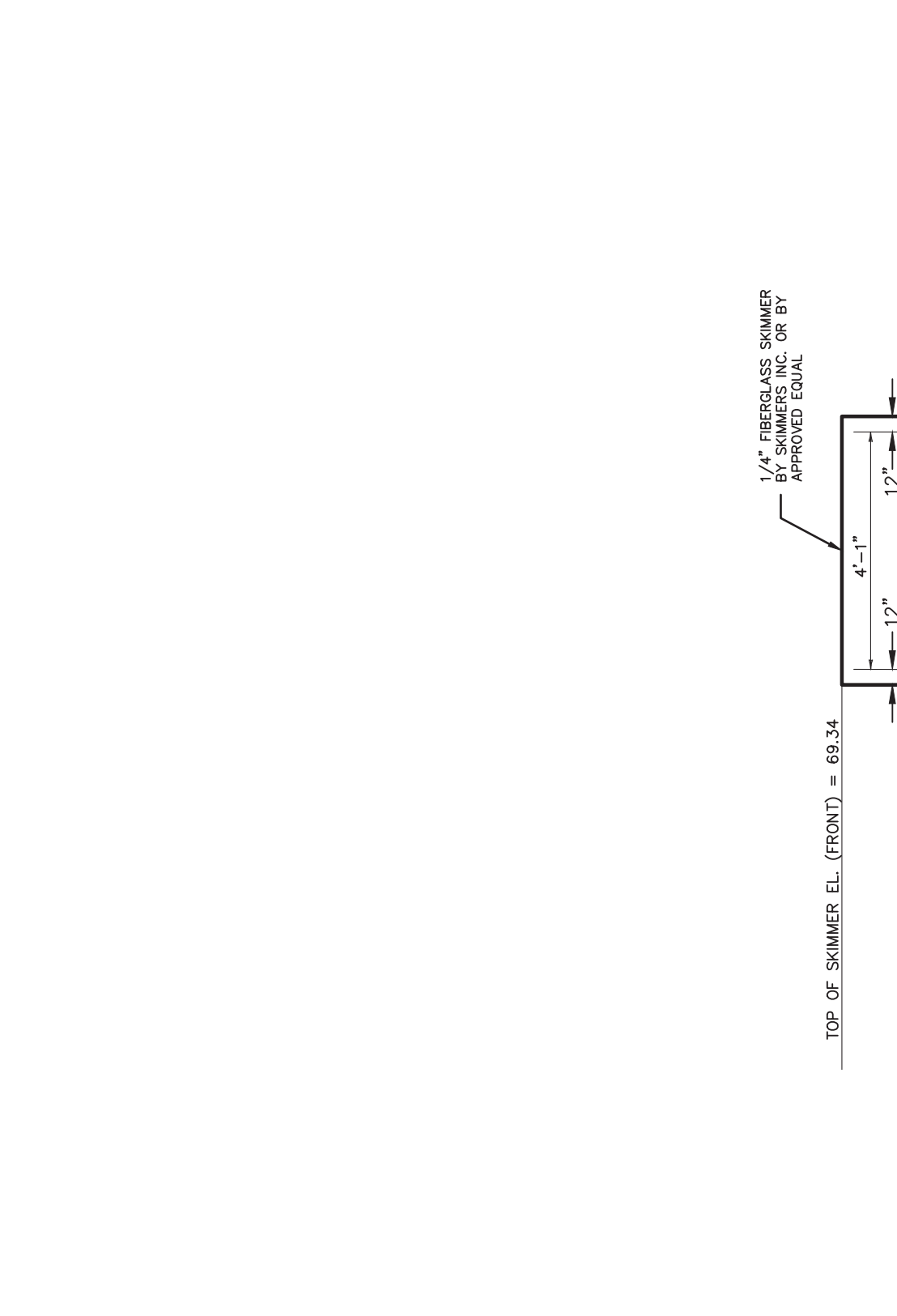
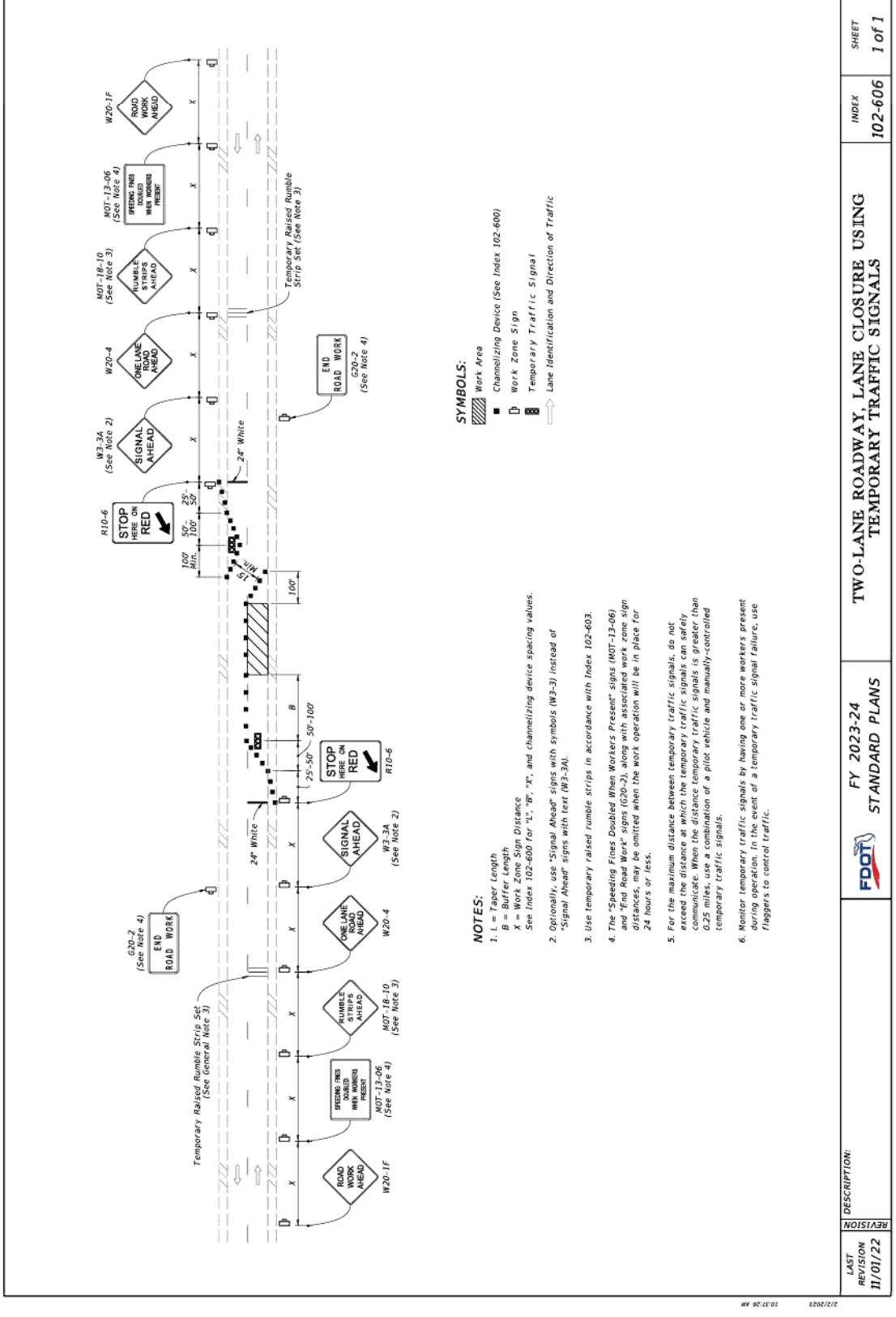
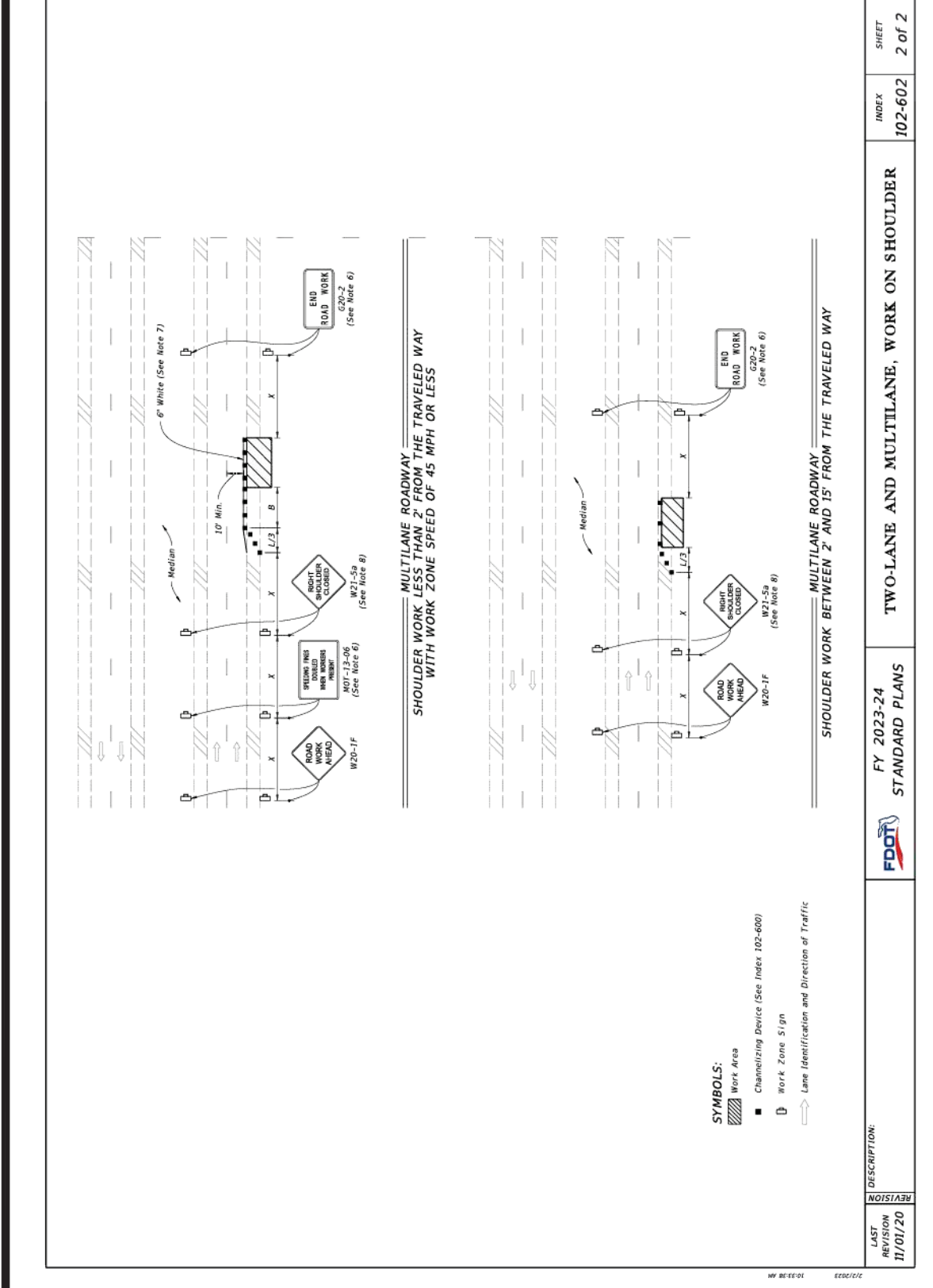
M/I HOMES
400 INTERNATIONAL PARKWAY
LAKE MARY, FLORIDA 32746
(407) 531-5177

ENGINEER IN CHARGE:
BENJAMIN S. BECKHAM, P.E. #79452
APRIL 1, 2024
CERTIFICATE OF AUTHORIZATION NO. CA-0007723

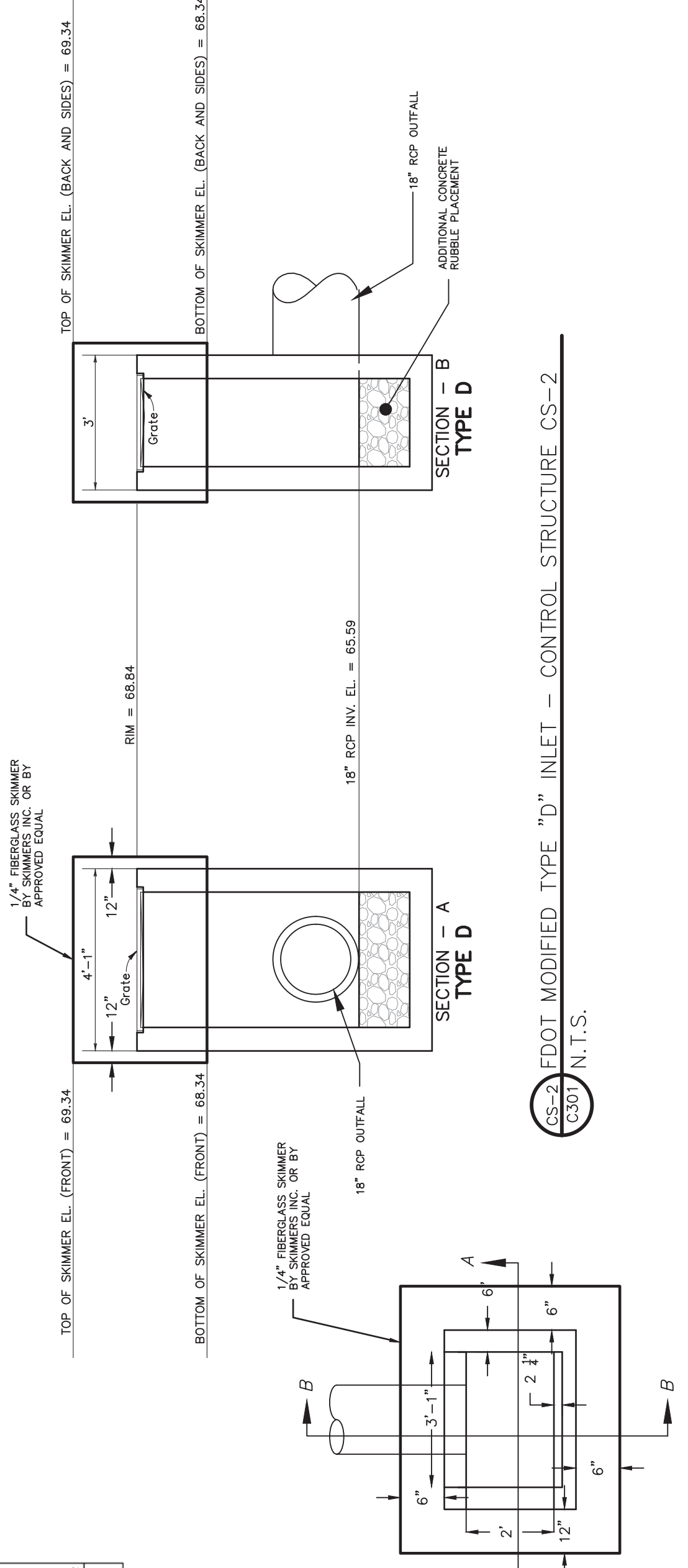
DATE	REVISIONS
01/12/24	REVISED PER ORANGE COUNTY COMMENTS

JOB # 21087
DATE 01/19/2024
SCALE N/A
DESIGNED BY BCH
DRAWN BY BCH
APPROVED BY BSB

C902

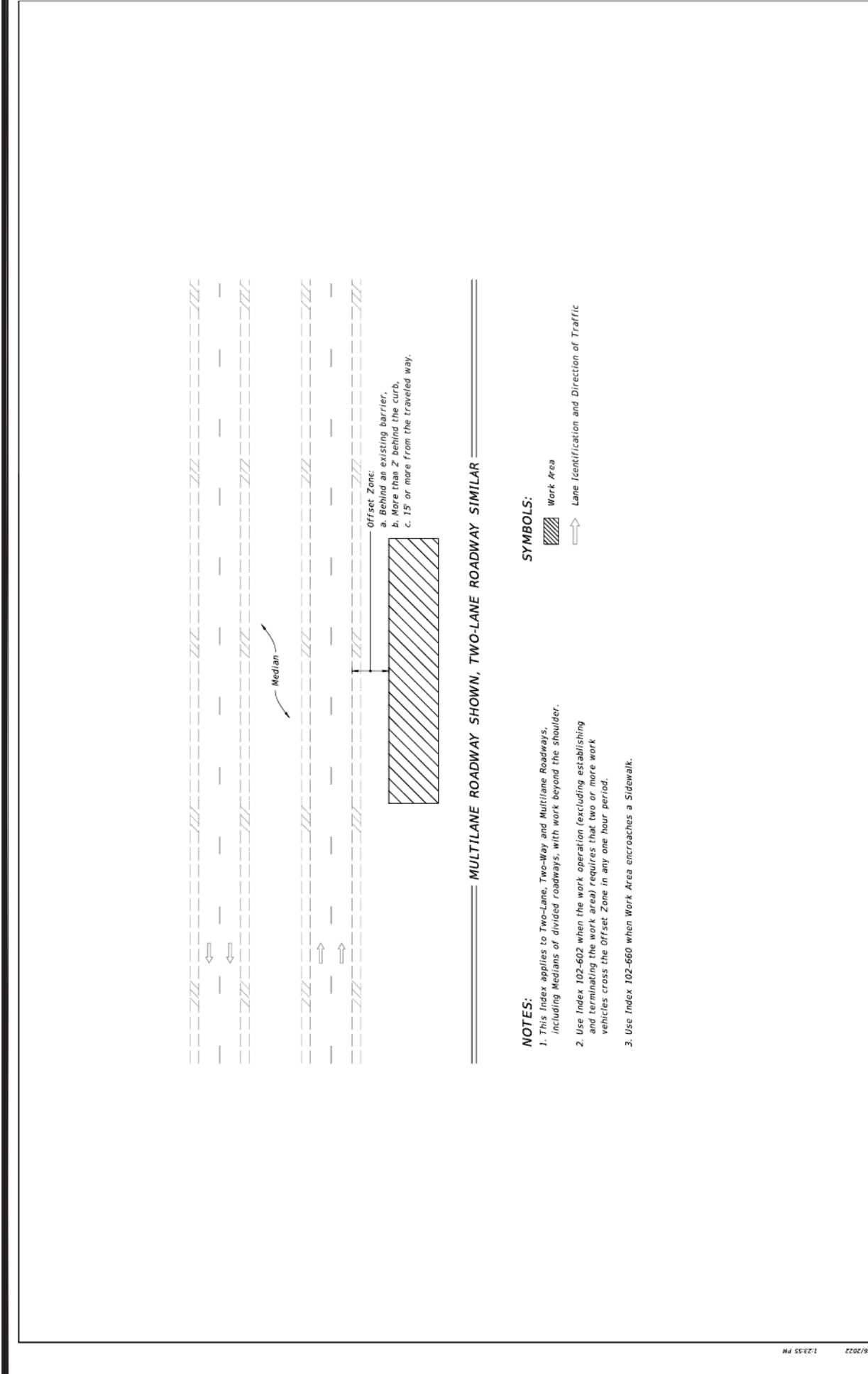


THE APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY, FLORIDA AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION.
APPROVED
Hector Martinez, E.I.
FOR THE ORANGE COUNTY ENGINEER
05/20/2024

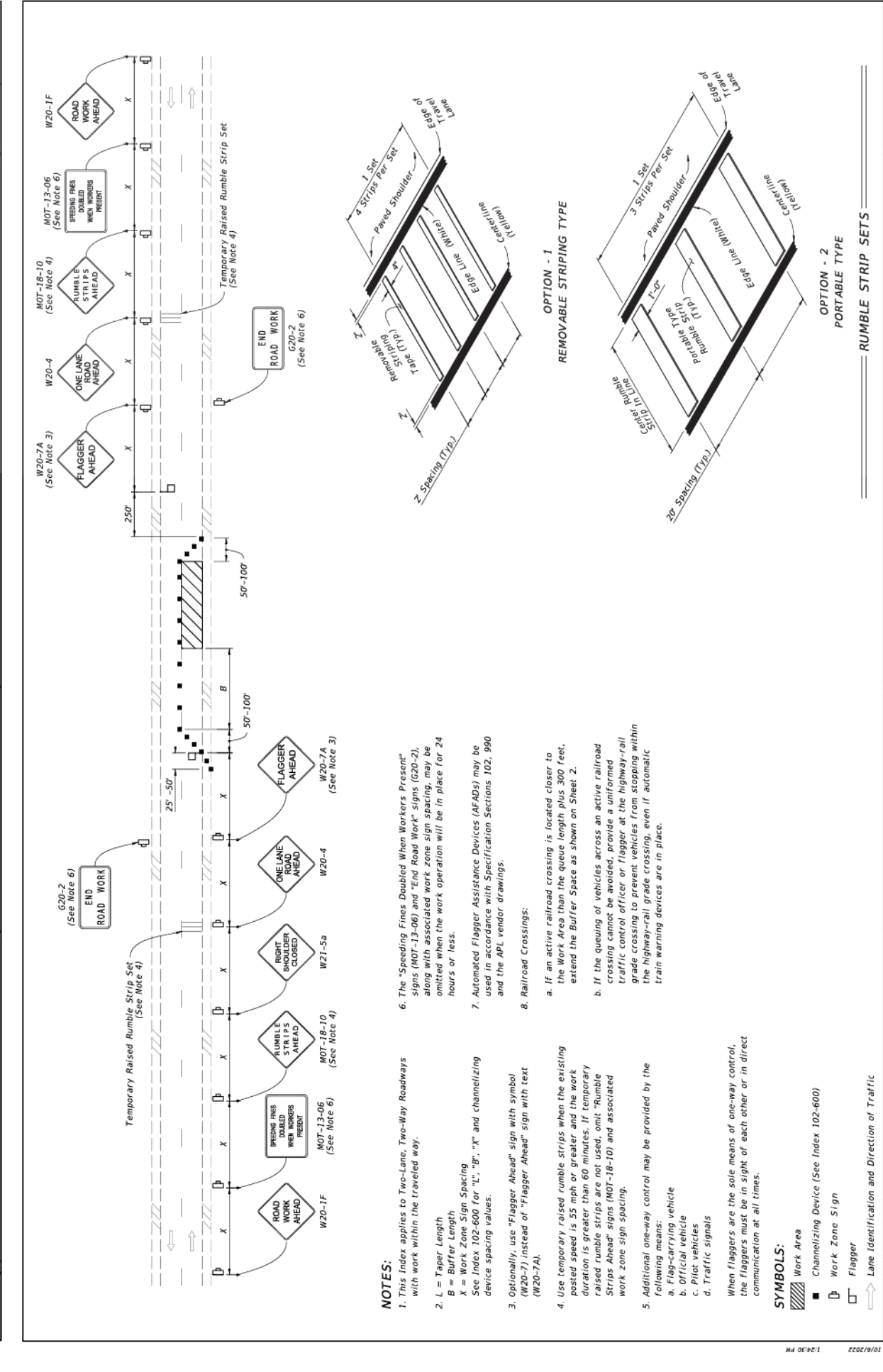


APPROVED 5/17/2024
Digitally signed by Roger Adison Stroud III
DN: cn=Roger Adison Stroud III, o=Adison Stroud III, ou=Adison Stroud III, email=ras@adisonstroud.com, c=US
FOR THE MANAGER
ENGINEERING DIVISION
ORANGE COUNTY UTILITIES DEPARTMENT
THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY UTILITIES DIVISION STANDARDS AND SPECIFICATIONS.

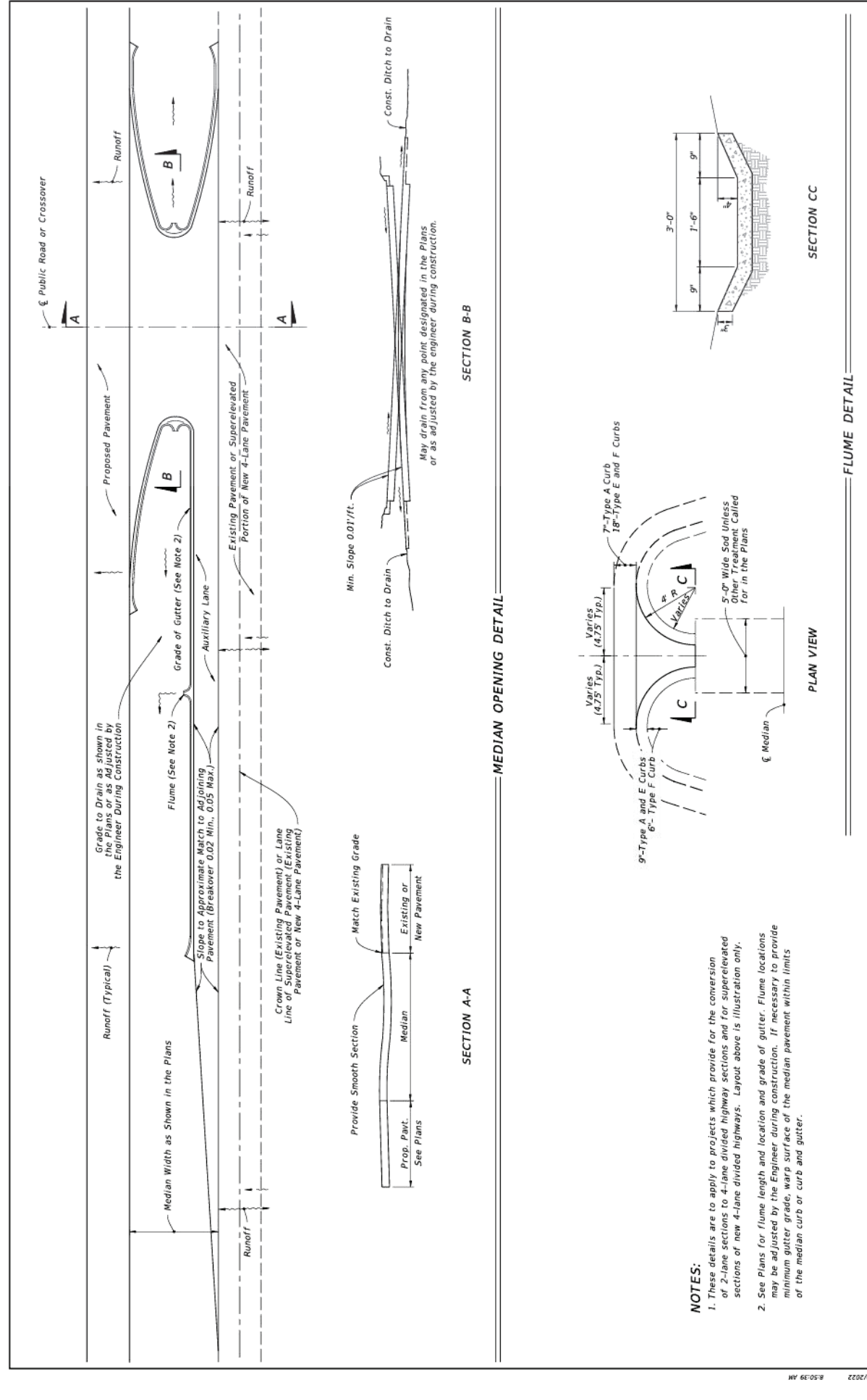
CS-2
FDOT MODIFIED TYPE "D" INLET - CONTROL STRUCTURE CS-2
C902 N.T.S.



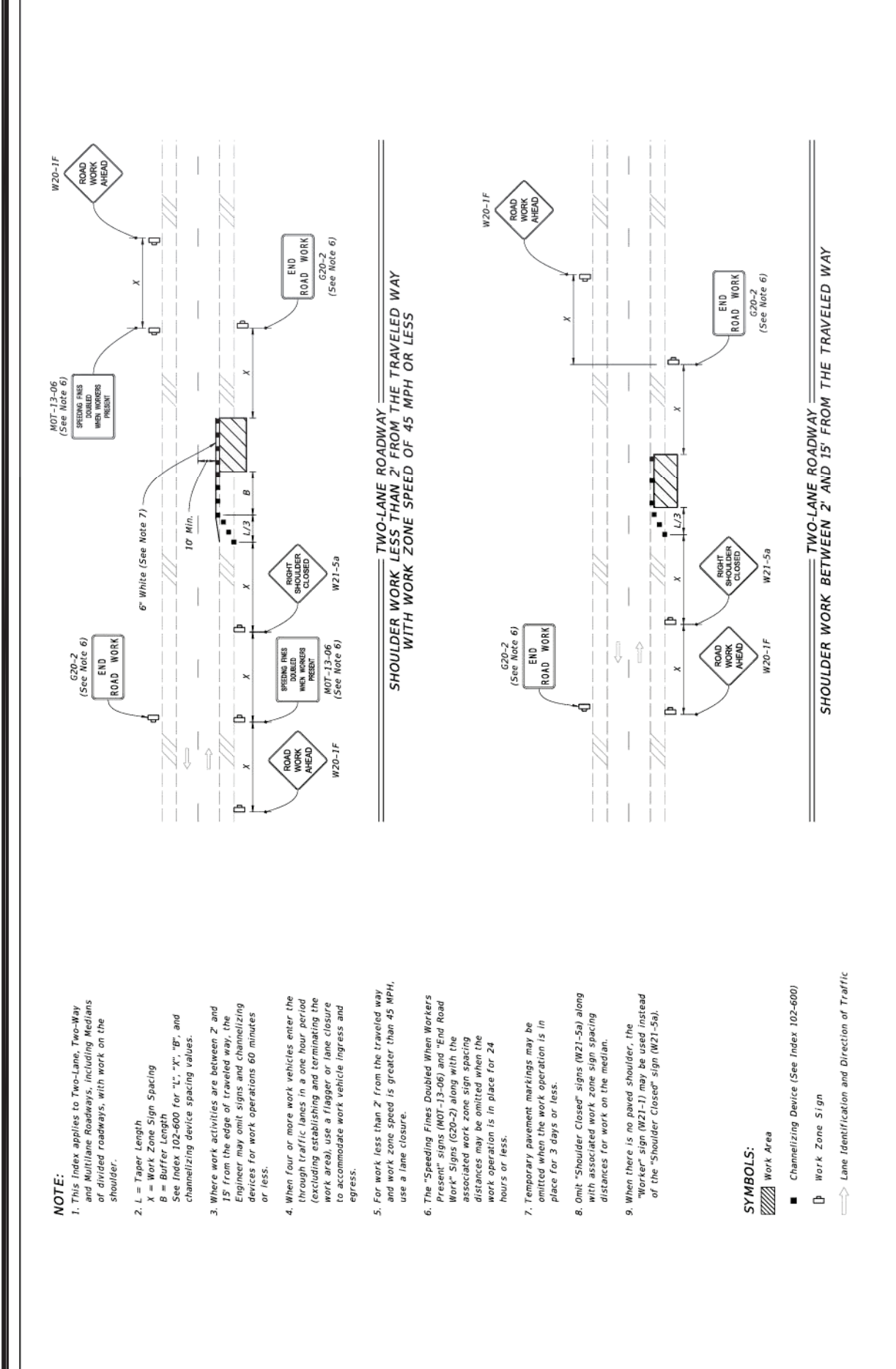
DATE	DESCRIPTION	INDEX	SHEET
11/01/20		102-601	1 of 1
FY 2023-24 STANDARD PLANS			
TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER			



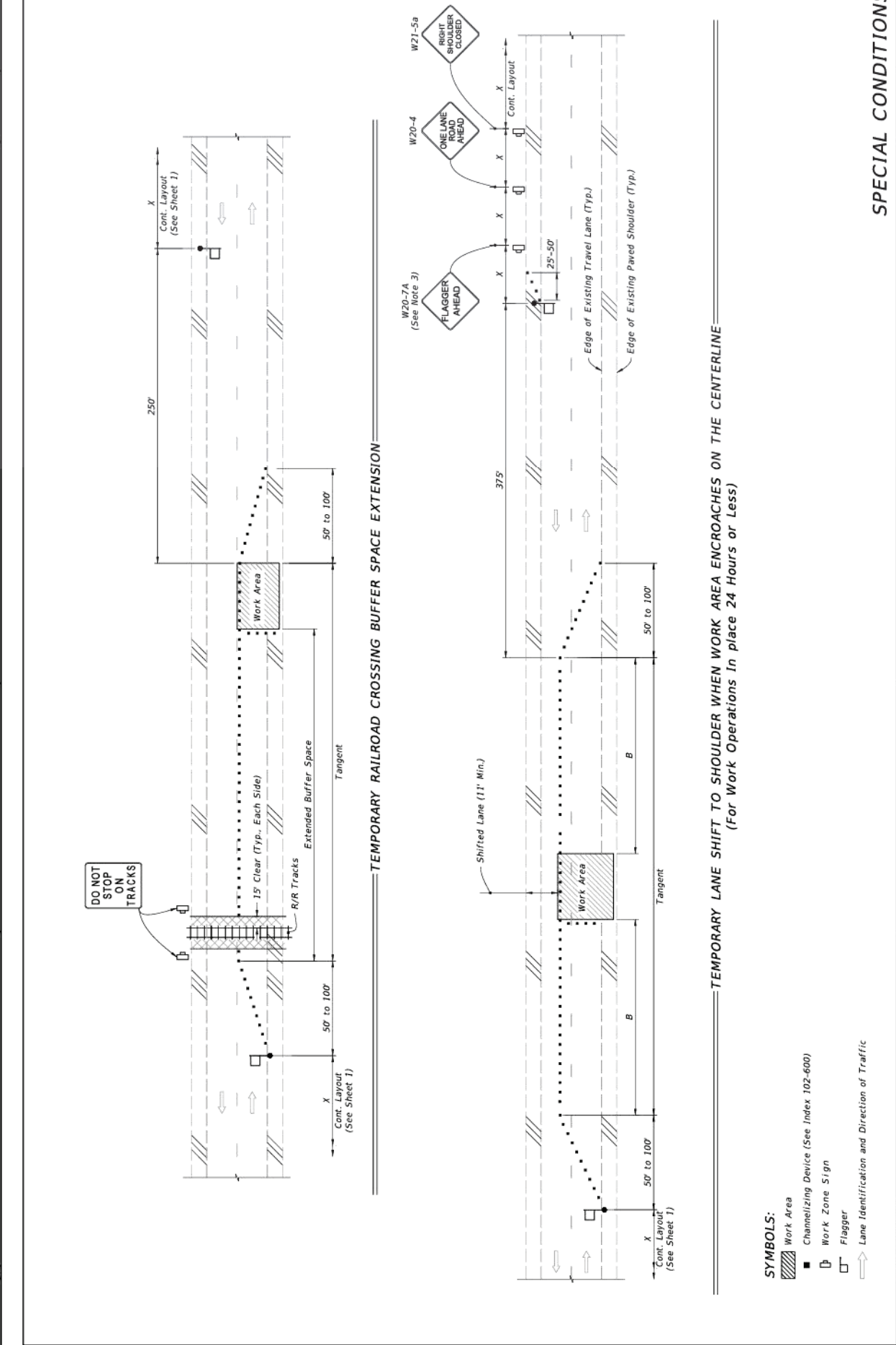
DATE	DESCRIPTION	INDEX	SHEET
11/01/21		102-603	1 of 2
FY 2023-24 STANDARD PLANS			
TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY			



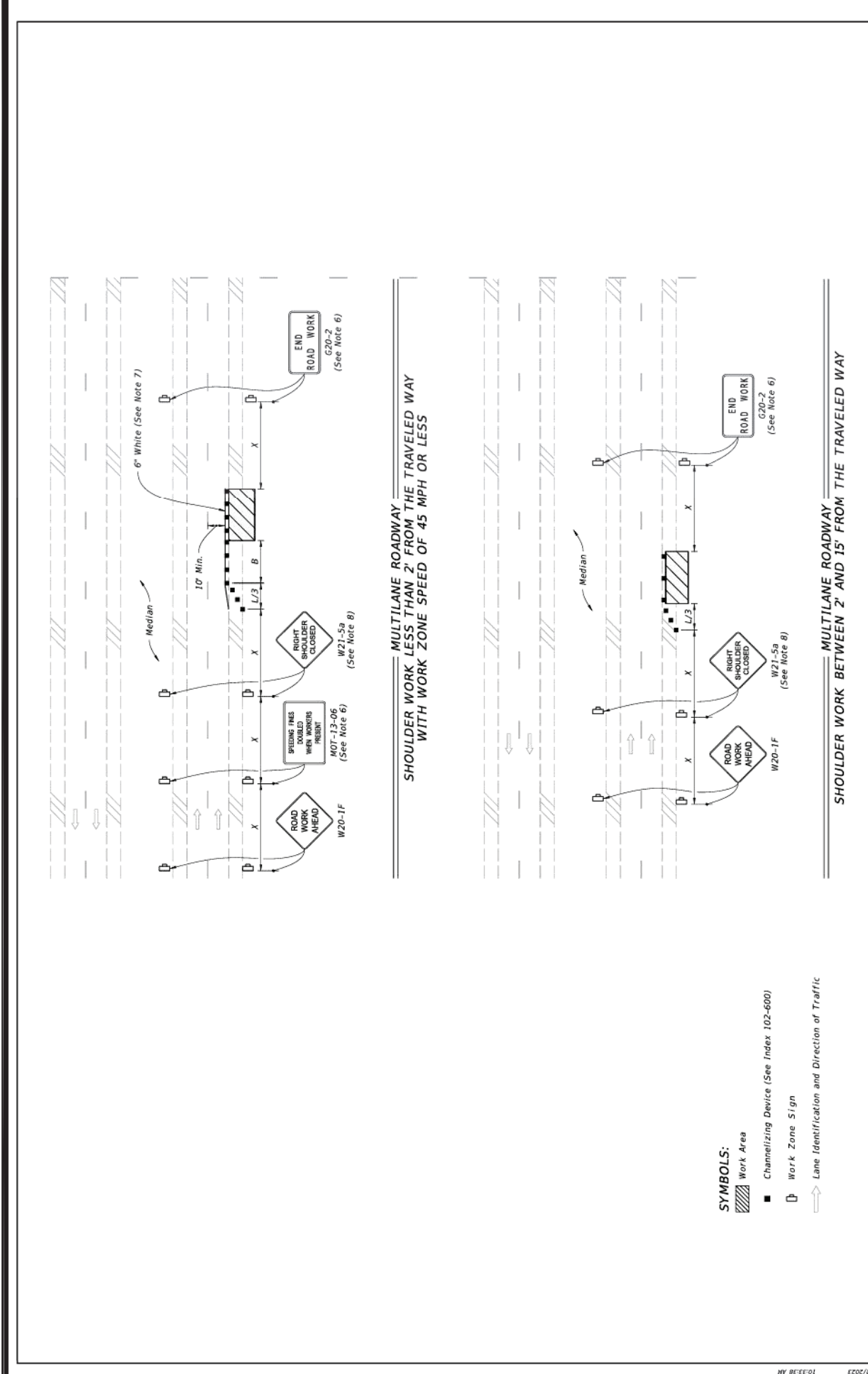
DATE	DESCRIPTION	INDEX	SHEET
11/01/21		520-010	1 of 1
FY 2023-24 STANDARD PLANS			
MEDIAN OPENING FLUME			



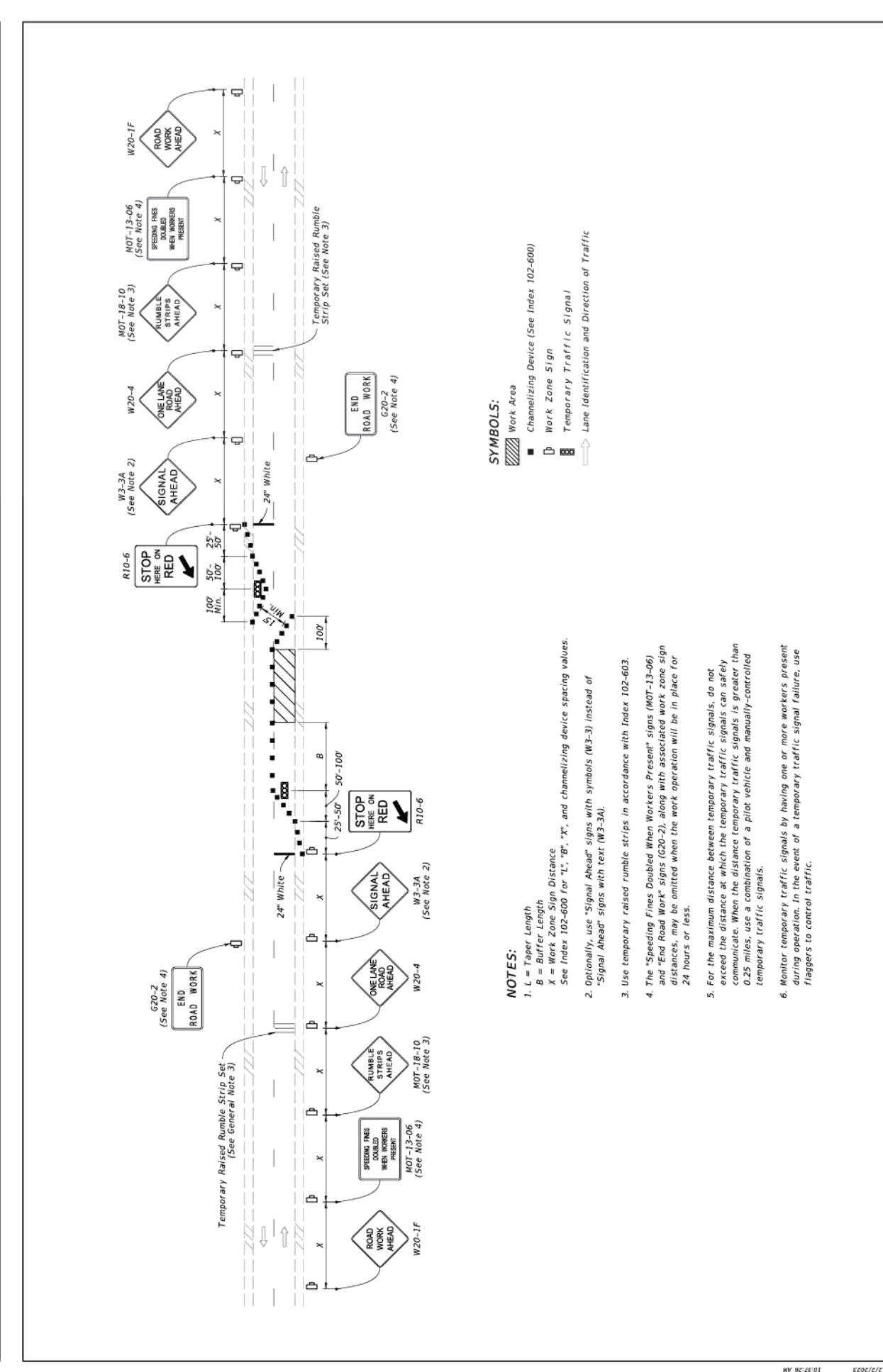
DATE	DESCRIPTION	INDEX	SHEET
11/01/21		102-602	1 of 2
FY 2023-24 STANDARD PLANS			
TWO-LANE AND MULTILANE, WORK ON SHOULDER			



DATE	DESCRIPTION	INDEX	SHEET
11/01/21		102-603	2 of 2
FY 2023-24 STANDARD PLANS			
TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY			



DATE	DESCRIPTION	INDEX	SHEET
11/01/20		102-602	2 of 2
FY 2023-24 STANDARD PLANS			
TWO-LANE AND MULTILANE, WORK ON SHOULDER			



DATE	DESCRIPTION	INDEX	SHEET
11/01/22		102-606	1 of 1
FY 2023-24 STANDARD PLANS			
TWO-LANE ROADWAY, LANE CLOSURE USING TEMPORARY TRAFFIC SIGNALS			

THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY FLORIDA AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION

APPROVED

Hector Martinez
 Hector Martinez, E.I.
 FOR THE ORANGE COUNTY ENGINEER

05/20/2024

APPROVED 5/17/2024

Digitally signed by
 Roger Adison
 Roger Adison Stroud III
 Date: 2024.05.17
 08:34:36 -04'00'

Adison Stroud, E.I.
 FOR THE MANAGER,
 ENGINEERING DIVISION
 ORANGE COUNTY UTILITIES DEPARTMENT

THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY FLORIDA AND ANY SPECIAL REQUIREMENTS OF THE ORANGE COUNTY COMMISSION



ORANGE COUNTY
 FLORIDA

LAKE PICKETT ROAD IMPROVEMENTS

FOR
 M.O.T. DETAILS

M/I HOMES
 400 INTERNATIONAL PARKWAY
 LAKE MARY, FLORIDA 32746
 (407) 531-5177

ENGINEER IN CHARGE:
 BENJAMIN S. BECKHAM, P.E. #79452
 APRIL 24, 2024
 CERTIFICATE OF AUTHORIZATION NO. CA-0007723

DATE	REVISIONS
04/24/24	REVISED PER ORANGE COUNTY COMMENTS

JOB #	21087
DATE	01/19/2024
SCALE	N/A
DESIGNED BY	BOB
DRAWN BY	BOB
APPROVED BY	BSE

C903



16 EAST PLANT STREET
WINTER GARDEN, FLORIDA 34787
407 654-5355 FAX 407 654-5356

**ALTA/NSPS LAND TITLE
BOUNDARY, TOPOGRAPHIC AND
TREE SURVEY
OF
CORNER LAKE
SECTION 9, TOWNSHIP 22 SOUTH, RANGE 32 EAST
ORANGE COUNTY, FLORIDA**

FOR:
M/I HOMES ORLANDO, LLC

FOR THE LICENSED BUSINESS #623 BY:
JAMES L. RICKMAN, P.S.M. #5633

DATE	REVISIONS
07/28/23	ADDED ROUTE SURVEY
07/28/23	ADDED S&P DATA
07/14/22	ADDED NML & 100 YR

JOB # 20210919
DATE: 1/14/22
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: BS/OK/JS
DRAWN BY: SEJ/ABS
CHECKED BY: MR

GROUND PENETRATING RADAR:

- GPR INVESTIGATIONS ARE HIGHLY SITE SPECIFIC AND CAN BE LIMITED BY ATTENUATION OF GPR SIGNALS BY SUBSURFACE MATERIALS.
- GPR INVESTIGATIONS ARE LIMITED BY UNEVEN TERRAIN CONDITIONS: HIGH GRASS (OVER 3'), BUSHES, FENCES, TREES, DEBRIS, ETC.
- ALL VERTICALLY STACKED UTILITIES/OBJECTS MAY NOT BE DETECTED, SINCE GPR SIGNALS ARE REFLECTED BY THE TOP MOST UTILITY/OBJECT.
- SOME UTILITIES/OBJECTS MAY NOT RETURN A REFLECTED SIGNAL TO THE GPR RECEIVER.
- GPR SCANS CANNOT BE MADE IMMEDIATELY NEXT TO BUILDING/OBJECTS DUE TO EQUIPMENT RESTRICTIONS.
- PIPE WITH LITTLE OR NO LIQUID CONTENT AT THE TIME OF LOCATE WORK MAY NOT BE DETECTED BY GPR.
- LOCATIONS OF EXISTING UTILITIES DESIGNATED BY GROUND PENETRATING RADAR (GPR) ARE TO BE DEEMED APPROXIMATE IN NATURE AND IN NO WAY ARE TO BE CONSTRUED AS EXACT. ALLEN & COMPANY, INC. (A/C) WILL NOT BE HELD RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES LOCATED BY GPR EQUIPMENT.

RADIO FREQUENCY | ELECTROMAGNETIC LOCATING:

- THE NUMBER OF ACCESS POINTS WITHIN DESIGNATED LOCATE AREA(S) MAY BE LIMITED OR NON-EXISTENT.
- UTILITY OR PROPERTY OWNER MAY RESTRICT OR DENY THE USE OF UTILITY ACCESS POINTS WITH ELECTROMAGNETIC LOCATE EQUIPMENT.
- FIBER & OTHER NON-METALLIC LINES WITH NO OR NON-WORKING TRACER WIRE ARE UNTONEABLE LOCATIONS OF EXISTING UTILITIES DESIGNATED BY ELECTROMAGNETIC EQUIPMENT (EM) ARE TO BE DEEMED APPROXIMATE IN NATURE AND IN NO WAY ARE TO BE CONSTRUED AS EXACT. ALLEN & COMPANY, INC. (A/C) WILL NOT BE HELD RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES LOCATED BY RF/EM EQUIPMENT.



SURVEYOR'S NOTES:

- BEARINGS SHOWN HEREON ARE ASSUMED AND RELATIVE TO THE EAST LINE OF THE SOUTHWEST QUARTER OF SECTION 9, TOWNSHIP 22 SOUTH, RANGE 32 EAST, BEING NORTH 0012'33" WEST.
- THE "LEGAL DESCRIPTION" HEREON AND THE LANDS SURVEYED AS DEPICTED IN THE DRAWING HERON DESCRIBE ONE AND THE SAME PROPERTY, AS THE DESCRIPTION PROVIDED IN THE COMMITMENT TO INSURE TITLE, ORDER NO. 10029297, PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, EFFECTIVE DATE NOVEMBER 11, 2021.
- THERE MAY BE ENVIRONMENTAL ISSUES, AND/OR OTHER MATTERS, REGULATED BY VARIOUS DEPARTMENTS OF FEDERAL STATE OR LOCAL GOVERNMENTS AFFECTING THE SUBJECT PROPERTY NOT SHOWN ON THIS SURVEY.
- THIS SURVEY WAS PERFORMED FOR THE SOLE AND EXCLUSIVE BENEFIT OF THE ENTITIES LISTED HEREON AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL WHOSOEVER.
- THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER OR AN ELECTRONIC SIGNATURE THAT IS IN COMPLIANCE WITH FLORIDA ADMINISTRATIVE CODE 30-17.002.
- UNLESS OTHERWISE NOTED OR SHOWN HEREON, APPARENT AND/OR VISIBLE, UNOBSTRUCTED AND IMPROVEMENTS WERE NOT LOCATED, UNDERGROUND UTILITIES, FOUNDATIONS AND IMPROVEMENTS WERE NOT LOCATED, UNLESS SHOWN HEREON.
- UNLESS OTHERWISE NOTED OR SHOWN HEREON, THERE ARE NO APPARENT AND/OR UNOBSTRUCTED, ABOVE GROUND ENCRICHMENTS, THE DISPOSITION OF ANY POTENTIAL ENCRICHMING IMPROVEMENTS SHOWN IS BEYOND PROFESSIONAL PURVIEW AND SUBJECT TO LEGAL INTERPRETATION.
- THE LANDS SHOWN HEREON LE IN ZONE "X", DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE CORPUS OF THE ACCORDING DEVELOPMENT PLAN, INSURED RATE MAP (IRM) AND ZONE A-E, DEFINED AS BASE FLOOD ELEVATIONS DETERMINED, ACCORDING TO COMMUNITY PANEL NO. 1201790285F, MAP NO. 1209500285F, MAP REVISED SEPTEMBER 25, 2009.
- THE ABOVE STATEMENT IS FOR INFORMATION ONLY AND THIS SURVEYOR ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP(S). IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THIS SURVEYOR'S OPINION OF THE PROBABILITY OF FLOODING.
- THERE WAS NO VISUAL EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELD WITHIN THE SURVEYED LANDS.
- ELEVATIONS SHOWN HEREON ARE BASED ON ORANGE COUNTY DEPARTMENT OF ENGINEERING VERTICAL DATUM, BENCHMARK NUMBER OC-17-1103 NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88), ELEVATION BEING 72.69'.
- WHILE CONDUCTING THE SURVEY, THERE WAS OBSERVED EVIDENCE OF WETLANDS WITHIN THE SURVEYED LANDS. THE WETLAND DEPICTED HEREON WAS PROVIDED TO THE SURVEYOR BY THE CLIENT AND REPRESENTS THE APPROVED CONSERVATION AREA DETERMINATION, CAD #03-056, APPROVED BY ORANGE COUNTY ENVIRONMENTAL PROTECTION DIVISION.
- ADJOINING PARCEL OWNER AND RECORDING INFORMATION DELINEATED HEREON WAS OBTAINED FROM THE ORANGE COUNTY PROPERTY APPRAISER'S PUBLIC ACCESS SYSTEM.
- THE SUBJECT PROPERTY HAS ACCESS FROM LAKE PICKETT ROAD AND CHULUIOTA ROAD, BEING A PUBLIC RIGHT-OF-WAY.
- THE NORMAL HIGH WATER ELEVATION FOR CORNER LAKE 62.0' NAVD 88, BASED ON THE ORANGE COUNTY WATER ATLAS FOR CORNER LAKE.
- WE HAVE EXAMINED THE FURNISHED COMMITMENT TO INSURE TITLE ORDER NUMBER 10029297, PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, EFFECTIVE DATE NOVEMBER 11, 2021. THOSE INSTRUMENTS INCLUDED IN "SCHEDULE B SECTION 1" OF THE COMMITMENT HAVE BEEN EXAMINED AND ARE REFLECTED HEREON TO THE EXTENT THEY AFFECT THE LANDS SURVEYED.
- THE TREE ZONES SHOWN HEREON ARE PER ORANGE COUNTY TREE PROTECTION AND REMOVAL ORDINANCE SECTION 15-301 (c) AND (e).
- THE GRAPHICAL REPRESENTATION OF THE UTILITY LINES SHOWN HEREON ARE FOR VISUAL REFERENCE ONLY AND DO NOT REPRESENT ACTUAL PIPE, CONDUIT, OR CABLE DIAMETER DIMENSIONS.
- THIS DRAWING WAS PREPARED IN CONFORMANCE WITH ASCE/ESI/CI 38-22, STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES & ASCE/ESI/CI 75-22, STANDARD GUIDELINE FOR RECORDING AND EXCHANGING UTILITY INFRASTRUCTURE DATA.
- LAST DATE IN FIELD: 07-25-2023.

TO: M/I HOMES OF ORLANDO, LLC; ANN W. LINDER; FIDELITY NATIONAL TITLE INSURANCE COMPANY.

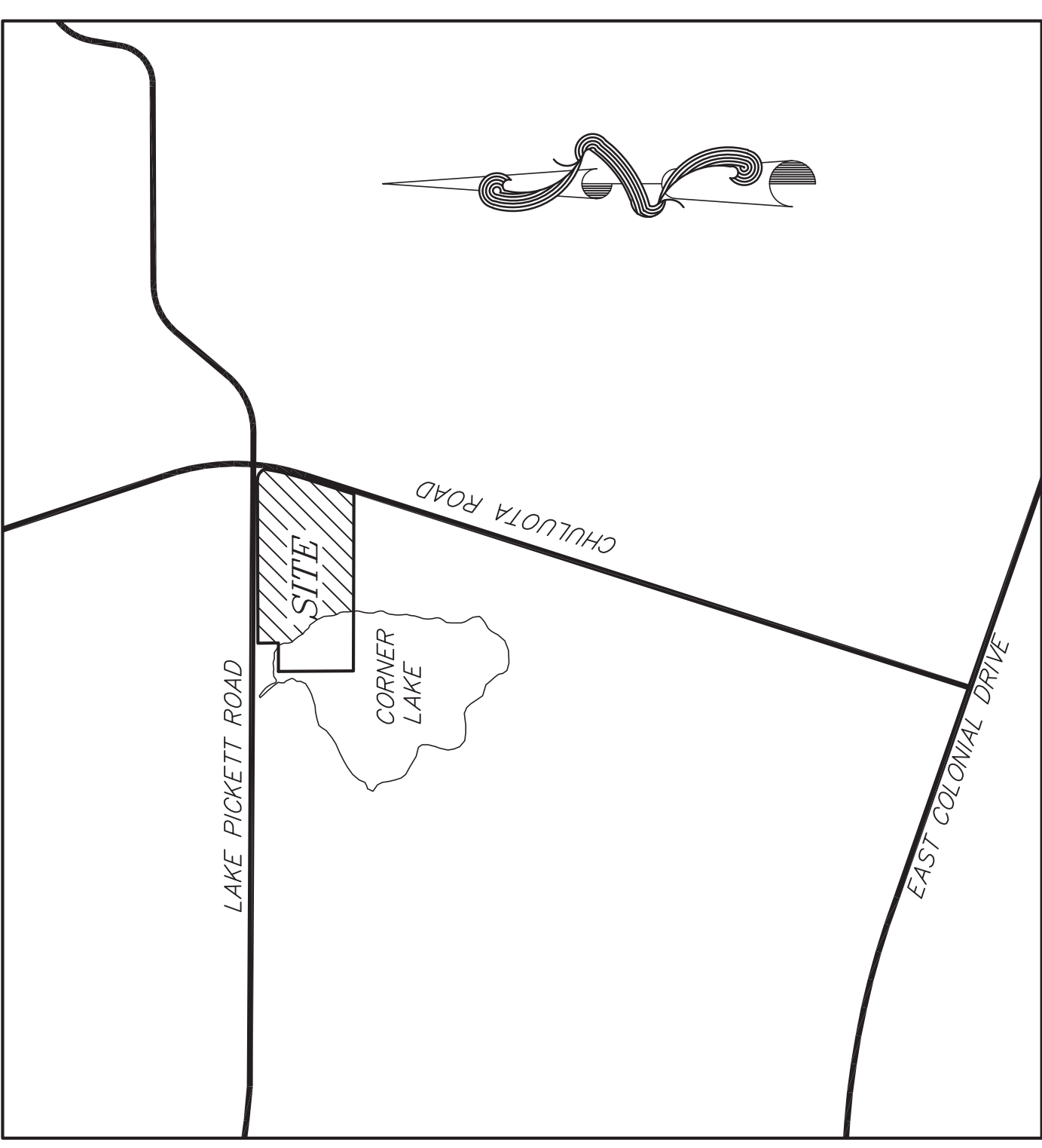
THIS IS TO CERTIFY THAT THIS MAP OR PLAN AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 8, 11, 13, 16 AND 19 OF TABLE A THEREOF.

FIELD WORK WAS COMPLETED ON JULY 25, 2023.

APPROVED 5/17/2024
Digitally signed by
Roger Adison Stroud III
Stroud III
Date: 2024.05.17
08:34:36 -0400
Adison Stroud, E.I.

FOR THE MANAGER,
ENGINEERING DIVISION
ORANGE COUNTY UTILITIES DEPARTMENT
THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS
OF ORANGE COUNTY UTILITIES DIVISION STANDARDS
AND SPECIFICATIONS

LEGAL DESCRIPTION: PER TITLE COMMITMENT
THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, LYING IN SECTION 9, TOWNSHIP 22 SOUTH, RANGE 32 EAST, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, LESS THE NORTH 350 FEET OF THE WEST 300 FEET AND LESS THE NORTH 30 FEET FOR ROAD RIGHT-OF-WAY FOR CR-420.
AND
THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, LYING IN SECTION 9, TOWNSHIP 22 SOUTH, RANGE 32 EAST, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, LESS THE NORTH 30' ROAD RIGHT-OF-WAY AND LESS ROAD RIGHT-OF-WAY FOR CR-419 AND LESS THE PART LYING EAST OF CR-419.





16 EAST PLANT STREET
WINTER GARDEN, FLORIDA 34787
407 654-5355 FAX 407 654-5356

ALTA/SPS LAND TITLE
BOUNDARY, TOPOGRAPHIC AND
TREE SURVEY
CORNER LAKE
OF
SECTION 9, TOWNSHIP 22 SOUTH, RANGE 32 EAST
ORANGE COUNTY, FLORIDA

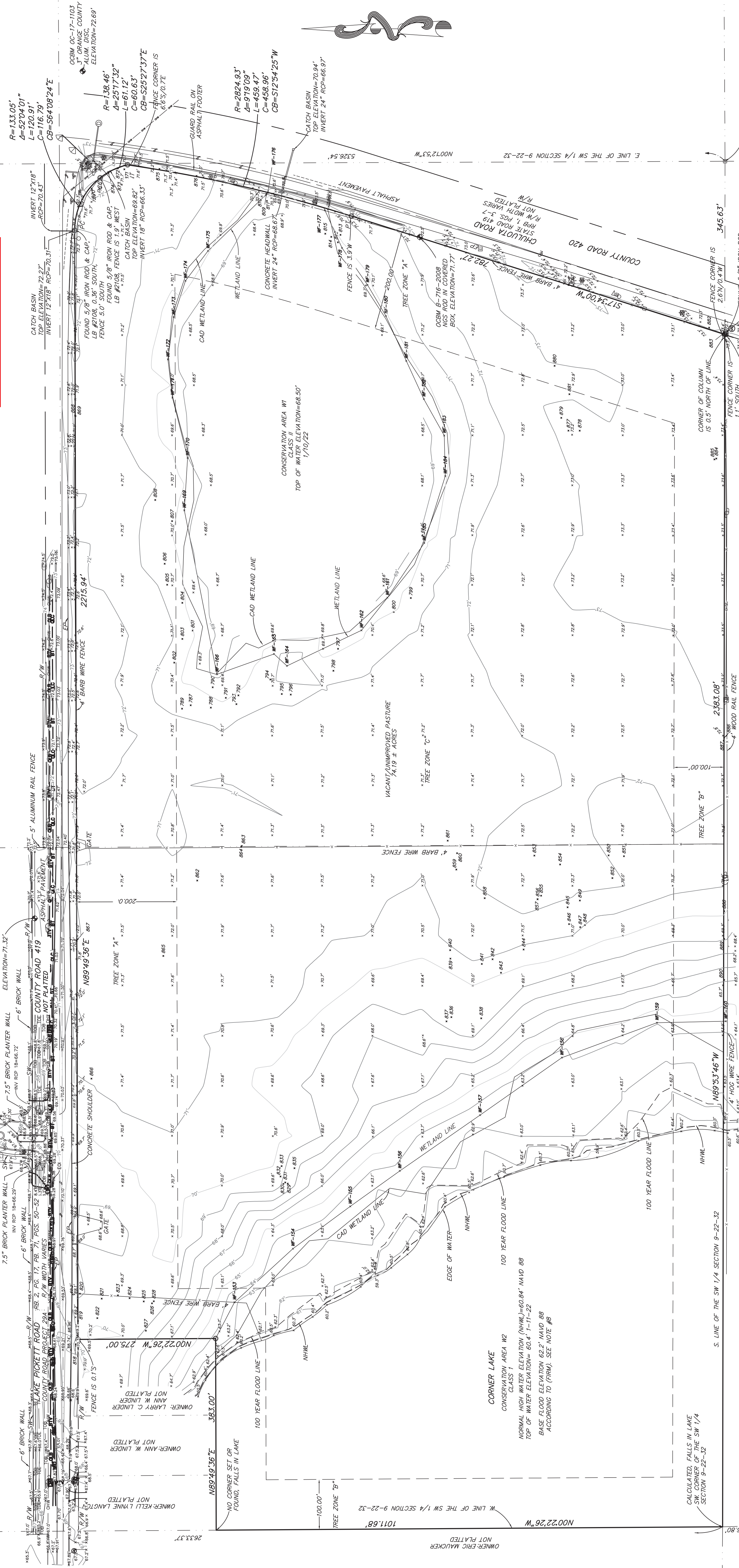
FOR:
M/I HOMES ORLANDO, LLC

DATE	REVISIONS
07/26/23	ADDED SUE DATA
07/21/23	ADDED ROUTE SURVEY
03/17/22	ADDED HML & TPO

JOB # 20210919
DATE: 1/14/22
SCALE: 1"=100'
CALC BY: SEJ
FIELD BY: BS/OK/TS
DRAWN BY: SEJ/ABS
CHECKED BY: MR

APPROVED 5/17/2024
Roger Adison
Stroud III
Adison Stroud, E.I.
FOR THE MANAGER,
ENGINEERING DIVISION
ORANGE COUNTY UTILITIES DEPARTMENT
THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS
OF ORANGE COUNTY UTILITIES DIVISION STANDARDS
AND SPECIFICATIONS.

THIS APPROVAL IS SUBJECT TO EXISTING
REQUIREMENTS OF ORANGE COUNTY
FLORIDA AND ANY SPECIAL REQUIREMENTS
OF THE ORANGE COUNTY COMMISSION
APPROVED
Hector Martinez, E.I.
FOR THE ORANGE COUNTY ENGINEER
05/20/2024



- LEGEND:
- ELECTRIC SERVICE
 - WATER VALVE
 - STORM MANHOLE
 - TRAFFIC SIGNAL BOX
 - WOOD POWER/UTILITY POLE
 - FIRE HYDRANT
 - METAL LIGHT POLE
 - PHONE SERVICE
 - ELECTRIC METER
 - SIGN
 - MAILBOX
 - FIBER OPTIC CABLE MARKER
 - METAL TRAFFIC SIGNAL MAST ARM
 - CATCH BASIN
 - CAD CONSERVATION AREA DETERMINATION
 - NAD88 NORTH AMERICAN VERTICAL DATUM 1988
 - SIDEWALK
 - SW
 - INV
- △ CENTRAL ANGLE
 - R RADIUS
 - L ARC LENGTH
 - CB CHORD BEARING
 - C CHORD DISTANCE
 - ORB OFFICIAL RECORDS BOOK
 - PSM PROFESSIONAL SURVEYOR & MAPPER
 - LS LICENSED SURVEYOR
 - x100.00 SPOT ELEVATION
 - PB. POINT OF BANK
 - TOE OF SLOPE
 - OHUL OVERHEAD UTILITY LINE
 - PC POINT OF CURVATURE
 - P/T POINT OF TANGENCY
 - CP CERTIFIED CORNER RECORD
 - EP ENHANCED CONCRETE PIPE
 - EDGE OF PAVEMENT
 - TREE LOCATION
 - SW SIDEWALK
 - INV INVERT

POINT NUMBER	TREE	POINT NUMBER	TREE	POINT NUMBER	TREE	POINT NUMBER	TREE	POINT NUMBER	TREE
786	57" OAK	801	25" OAK	816	13" FINE	831	38" OAK	846	30" OAK
787	26" OAK	802	26" OAK	817	15" PALM	832	39" OAK	847	31" OAK
788	24" OAK	803	31" OAK	818	17" FINE	833	40" OAK	848	32" OAK
789	24" OAK	804	37" OAK	819	16" PALM	834	41" OAK	849	33" OAK
790	25" OAK	805	46" OAK	820	34" OAK	835	42" OAK	850	34" OAK
791	36" OAK	806	46" OAK	821	35" OAK	836	43" OAK	851	35" OAK
792	36" OAK	807	46" OAK	822	35" OAK	837	44" OAK	852	36" OAK
793	36" OAK	808	46" OAK	823	35" OAK	838	45" OAK	853	37" OAK
794	36" OAK	809	46" OAK	824	35" OAK	839	46" OAK	854	38" OAK
795	36" OAK	810	46" OAK	825	35" OAK	840	47" OAK	855	39" OAK
796	36" OAK	811	46" OAK	826	35" OAK	841	48" OAK	856	40" OAK
797	25" OAK	812	46" OAK	827	35" OAK	842	49" OAK	857	41" OAK
798	46" OAK	813	46" OAK	828	35" OAK	843	50" OAK	858	42" OAK
799	46" OAK	814	46" OAK	829	35" OAK	844	51" OAK	859	43" OAK
800	37" OAK	815	46" OAK	830	35" OAK	845	52" OAK	860	44" OAK
801	37" OAK	816	46" OAK	831	35" OAK	846	53" OAK	861	45" OAK
802	30" OAK	817	46" OAK	832	35" OAK	847	54" OAK	862	46" OAK
803	24" OAK	818	46" OAK	833	35" OAK	848	55" OAK	863	47" OAK
804	24" OAK	819	46" OAK	834	35" OAK	849	56" OAK	864	48" OAK
805	42" OAK	820	46" OAK	835	35" OAK	850	57" OAK	865	49" OAK
806	38" OAK	821	46" OAK	836	35" OAK	851	58" OAK	866	50" OAK
807	42" OAK	822	46" OAK	837	35" OAK	852	59" OAK	867	51" OAK
808	37" OAK	823	46" OAK	838	35" OAK	853	60" OAK	868	52" OAK
809	37" OAK	824	46" OAK	839	35" OAK	854	61" OAK	869	53" OAK
810	13" FINE	825	46" OAK	840	35" OAK	855	62" OAK	870	54" OAK

OWNER: SCOTT J. LANGTON ESTATE
NOT PLATTED

NW CORNER OF THE SW 1/4
SECTION 9-22-32 FOUND
6"x6" CONCRETE MONUMENT
NO IDENTIFICATION, COR #B4900

NO CORNER SET OR
FOUND, FALLS IN LAKE

CORNER LAKE
CONSERVATION AREA W2
CLASS 1
NORMAL HIGH WATER ELEVATION (NHWM)=60.84' NAVD 88
TOP OF WATER ELEVATION= 60.4' -11-22
BASE FLOOD ELEVATION 62.2' NAVD 88
ACCORDING TO (FRMA). SEE NOTE #B

W 1/4 CORNER OF THE
SW CORNER OF THE SW 1/4
SECTION 9-22-32
CALCULATED, FALLS IN LAKE

W 1/4 CORNER OF THE
SW CORNER OF THE SW 1/4
SECTION 9-22-32 FOUND
6"x6" CONCRETE MONUMENT
NO IDENTIFICATION, COR #B4903