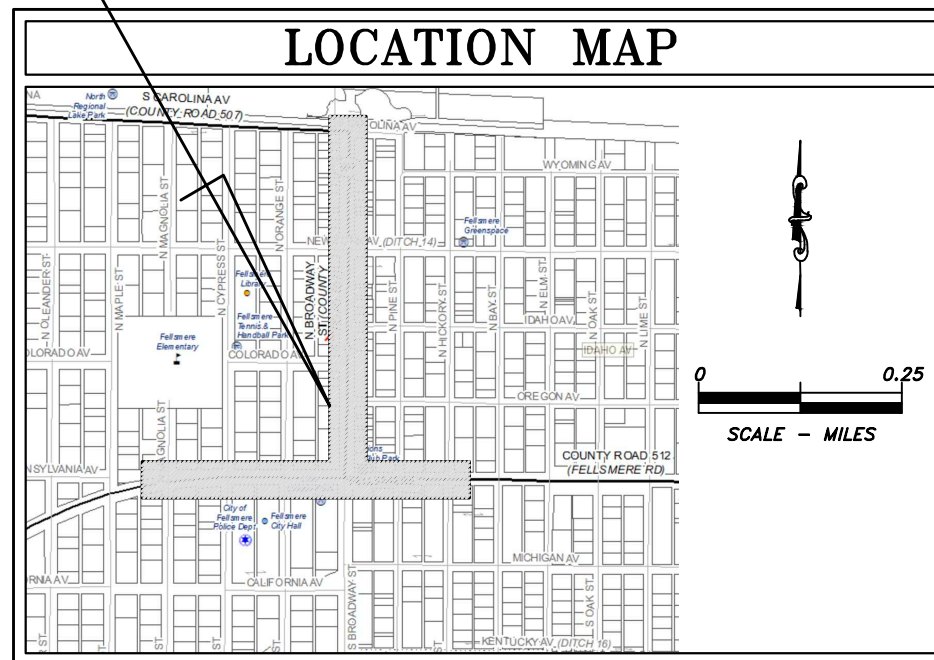


INDIAN RIVER COUNTY BOARD OF COUNTY COMMISSIONERS

CR-512 & N. BROADWAY ST. DRAINAGE RESTORATION IN THE CITY OF FELLOSMERE

COUNTY PROJECT IRC-2006

LOCATION OF PROJECT



TWP 31S, RGE 37E



PREPARED BY
INDIAN RIVER COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1801 27TH STREET, VERO BEACH, FLORIDA 32960

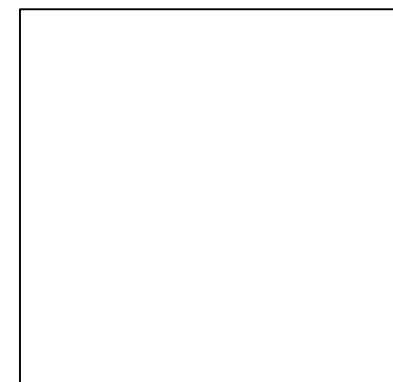
SHEET INDEX

- | | |
|-------|-------------------------------------------------|
| 1 | COVER SHEET |
| 2 | SUMMARY OF PAY ITEMS |
| 3-4 | DRAINAGE STRUCTURE INFORMATION |
| 5-8 | DRAINAGE PIPE INFORMATION |
| 9-16 | CR-512 DRAINAGE SYSTEM PLAN |
| 17-19 | N. BROADWAY DRAINAGE SYSTEM PLAN |
| 20 | SEDIMENTATION & POLLUTION PREVENTION
DETAILS |

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
"FY 2023-24 STANDARD PLANS FOR ROAD
CONSTRUCTION" AND "STANDARDS
SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION" (FY 2023-24 EDITION), AS
AMENDED BY CONTRACT DOCUMENTS.

SUSAN ADAMS, CHAIRMAN
JOSEPH E. FLESCHER, VICE-CHAIRMAN
COMMISSIONER JOE EARMAN
COMMISSIONER DERYL LOAR
COMMISSIONER LAURA MOSS
COUNTY ADMINISTRATOR, JOHN A. TITKANICH, JR.
ACTING PUBLIC WORKS DIRECTOR, SEAN LIESKE

SUMMARY OF PAY ITEMS			
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-2	PREVENTION, CONTROL, & ABATEMENT OF EROSION & WATER POLLUTION	LS	1
430-1	LIGHT CLEANING DRAINAGE PIPE, 12"-36"	LF	5,094
430-2	LIGHT CLEANING DRAINAGE PIPE, 42"-66"	LF	3,740
430-3	HEAVY CLEANING DRAINAGE PIPE, 12"-36"	LF	1,000
430-4	HEAVY CLEANING DRAINAGE PIPE, 42"-66"	LF	1,000
430-5	DRAINAGE STRUCTURE CLEANING TO 5' DEPTH	EA	55
430-6	DRAINAGE STRUCTURE CLEANING, GREATER THAN 5' DEPTH	EA	30
430-7	CCTV INSPECTION	LF	8,834
430-8	DIVING INSPECTION & REPAIR	DAY	5
570-1	PERFORMANCE TURF (SOD) (BAHIA)	SY	500
999-1	RECORD DRAWINGS	LS	1



STRUCTURE TYPE											
INLET	GRATE ELEV.	DEPTH	NOTES	DESILT	VIDEO	MANHOLE	RIM ELEV.	DEPTH	NOTES	DESILT	VIDEO
I-1	23.87	UNKNOWN (>5')				MH-1	24.92	8.31'			
I-2	23.80	5.32'				MH-2	24.79	7.87'			
I-3	22.23	4.45'				MH-3	24.75	7.70'			
I-4	23.91	4.99'				MH-4	25.50	9.12'			
I-5	24.05	5.48'				MH-5	25.74	9.01'			
I-6	21.72	2.69'				MH-6	24.49	7.85'			
I-7	22.31	3.30'				MH-7	24.83	7.80'			
I-8	21.98	3.79'	BROKEN GRATE			MH-8	24.52	7.03'			
I-9	22.50	3.54'				MH-9	22.52	UNKNOWN	MANHOLE BURIED		
I-10	22.49	4.05'				MH-10	24.15	8.41'			
I-11	21.59	2.35'	GRATE IN POOR CONDITION			MH-11	23.50	6.32'			
I-12	22.04	3.53'				MH-12	24.23	8.46'			
I-13	21.71	1.89'				MH-13		UNKNOWN	MANHOLE BURIED		
I-14	21.24	2.64'				MH-14		UNKNOWN	MANHOLE BURIED		
I-15	22.06	4.98'				MH-15		UNKNOWN	TO BE LOCATED		
I-16	21.48	2.70'				MH-16		UNKNOWN	TO BE LOCATED		
I-17	21.52	3.40'				MH-17		UNKNOWN	TO BE LOCATED		
I-18	21.42	2.68'	BROKEN GRATE			MH-18		UNKNOWN	TO BE LOCATED		
I-19	21.57	2.96'				MH-19		UNKNOWN	TO BE LOCATED		
I-20	21.51	2.63'				MH-20		UNKNOWN	TO BE LOCATED		
I-21	21.53	3.14'				MH-21		UNKNOWN	TO BE LOCATED		
I-22	21.62	2.83'				MH-22		UNKNOWN	TO BE LOCATED		
I-23	20.87	2.68'				MH-23		UNKNOWN	TO BE LOCATED		
I-24	21.19	3.38'				MH-24		UNKNOWN	TO BE LOCATED		
I-25	21.75	2.69'									
I-26	21.69	2.65'									
I-27	22.21	2.32'									
I-28	22.02	2.67'									
I-29	21.41	2.64'									
I-30	22.65	3.94'									
I-31	20.10	2.17'									
I-32	22.10	3.00'									
I-33	24.02	5.38'									
I-34	22.84	2.61'									
I-35	22.73	2.96'									

STRUCTURE TYPE											
INLET	GRATE ELEV.	DEPTH	NOTES	DESILT	VIDEO	MANHOLE	RIM ELEV.	DEPTH	NOTES	DESILT	VIDEO
I-36	22.72	4.66'									
I-37	21.02	2.96'									
I-38	22.49	5.36'									
I-39	21.56	2.60'									
I-40	21.29	1.86'									
I-41	23.26	3.98'									
I-42	21.26	2.53'									
I-43	21.33	3.31'									
I-44	21.72	3.46'									
I-45	21.77	3.43'									
I-46	22.03	3.13'									
I-47	22.09	2.95'									
I-48	22.34	UNKNOWN									
I-49	21.95	2.56'									
I-50	21.90	2.68'									
I-51	22.75 & 22.68	5.73'									
I-52	21.37	3.56'									
I-53	22.60	4.68'									
I-54	22.14	1.06'									
I-55	21.57	1.90'									
I-56	21.67	1.97'									
I-57	21.84	3.20'									
I-58	21.83	2.79'									
I-59	22.04	3.65'									
I-60	22.16	3.38'									
I-61	21.47	5.07									

PIPES--SIZE, MATERIAL AND LENGTH

PIPE	12" CMP	12" HDPE	12"x18" RCP	15" CMP	15" RCP	18" CMP	18" RCP	24" CMP	24" RCP	19"x30" RCP	36" RCP	42" RCP	54" RCP	60" RCP	66" RCP	NOTES	DESILT	VIDEO
P-1					47'													
P-1A	6'																	
P-1B	10'																	
P-2									72'									
P-3									43'									
P-4									47'									
P-4A	10'																	
P-5									27'									
P-6									12'									
P-7										71'								
P-8									20'									
P-9											102'							
P-10					9'													
P-11											187'							
P-12					44'													
P-13									98'									
P-14					48'													
P-15									33'									
P-16												144'						
P-17					8'													
P-18												135'						
P-19												323'						
P-20									275'									
P-20A					15'													
P-20B	21'																	
P-21					47'													
P-21A	13'																	
P-22									28'									
P-23									102'									
P-24					48'													
P-25							68'											
P-26												360'						
P-27					48'													
P-28									113'									
P-29					48'													

No.	Revision	Date	By

INDIAN RIVER COUNTY
 1801 27th STREET
 VERO BEACH, FL 32960
 (772) 567-8000



Department of Public Works
Engineering Division

DESIGNED BY:
M. WINSLOW, P.E.
 DRAWN BY:
K. HANSEN
 APPROVED BY:
M. WINSLOW, P.E.

SECTION
 TOWNSHIP **31S**
 RANGE **37E**
 FIELD BOOK NO. PAGE

DATE: **2/14/2024**
 COUNTY PROJECT NO.
IRC-2006

DRAINAGE PIPE INFORMATION

PIPES-SIZE, MATERIAL AND LENGTH

PIPE	12" CMP	12" HDPE	12"x18" RCP	15" CMP	15" RCP	18" CMP	18" RCP	24" CMP	24" RCP	19"x30" RCP	36" RCP	42" RCP	54" RCP	60" RCP	66" RCP	NOTES	DESILT	VIDEO
P-30					46'													
P-31														145'				
P-32					10'													
P-33														192'				
P-34					47'													
P-35							106'											
P-36					47'													
P-37							48'											
P-38					46'									320'				
P-39																		
P-39A							33'											
P-40							111'											
P-41					48'													
P-42					50'													
P-43														140'				
P-44					8'													
P-45														192'				
P-46					47'													
P-46A	35'																	
P-47		58'																
P-48							111'											
P-49					47'													
P-50					50'													
P-51														130'				
P-52							10'											
P-53														220'				
P-54					47'													
P-54A				16'														
P-55							81'											
P-56														168'				
P-57							14'											
P-58														162'				
P-59						64'												
P-59A	30'																	
P-59B	27'																	

No.	Revision	Date	By

INDIAN RIVER COUNTY
 1801 27th STREET
 VERO BEACH, FL 32960
 (772) 567-8000



Department of Public Works
Engineering Division

DESIGNED BY:
M. WINSLOW, P.E.
 DRAWN BY:
K. HANSEN
 APPROVED BY:
M. WINSLOW, P.E.

SECTION
 TOWNSHIP **31S**
 RANGE **37E**
 FIELD BOOK NO. PAGE

DATE: **2/14/2024**
 COUNTY PROJECT NO.
IRC-2006

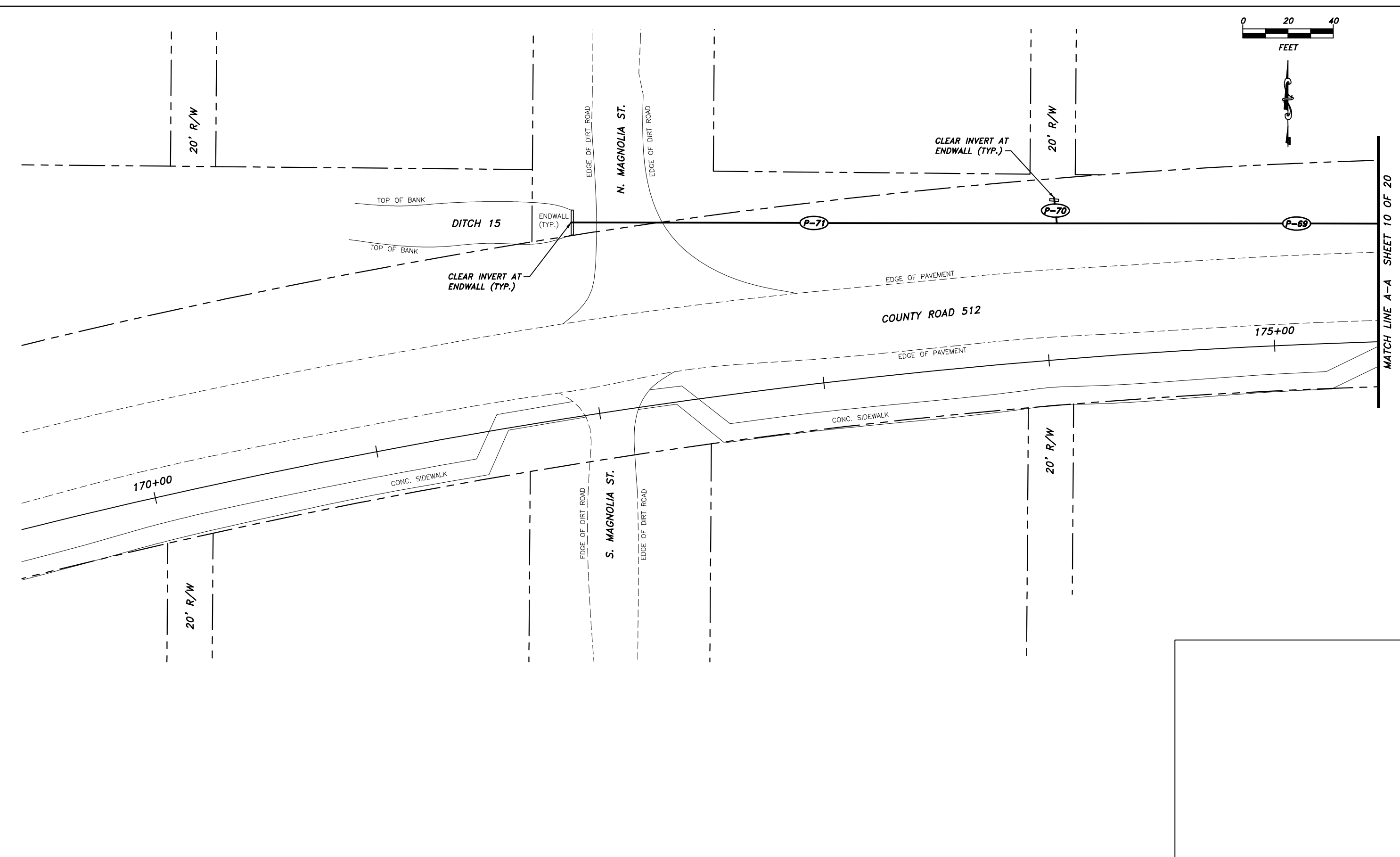
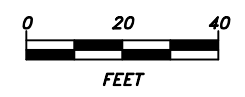
DRAINAGE PIPE INFORMATION

PIPES-SIZE, MATERIAL AND LENGTH


PIPE	12" CMP	12" HDPE	12"x18" RCP	15" CMP	15" RCP	18" CMP	18" RCP	24" CMP	24" RCP	19"x30" RCP	36" RCP	42" RCP	54" RCP	60" RCP	66" RCP	NOTES	DESILT	VIDEO
P-59C																		
P-59D	31'																	
P-60					48'													
P-61						38'												
P-62															205'			
P-63					13'													
P-64															170'			
P-65	12'																	
P-66							91'											
P-67					47'													
P-67A			13'															
P-68							29'											
P-69															212'			
P-70							11'											
P-71															215'			
P-72									100'									
P-73									72'									
P-74					26'													
P-75					26'													
P-76							261'											
P-77					26'													
P-78					135'													
P-79					26'													
P-80					159'													
P-81					26'													
P-82					26'													
P-83					97'													
P-84					25'													
P-85					50'													
P-86					27'													
P-87													108'					
P-88													49'					
P-89													150'					
P-90					49'													
P-91					28'													

PIPES-SIZE, MATERIAL AND LENGTH

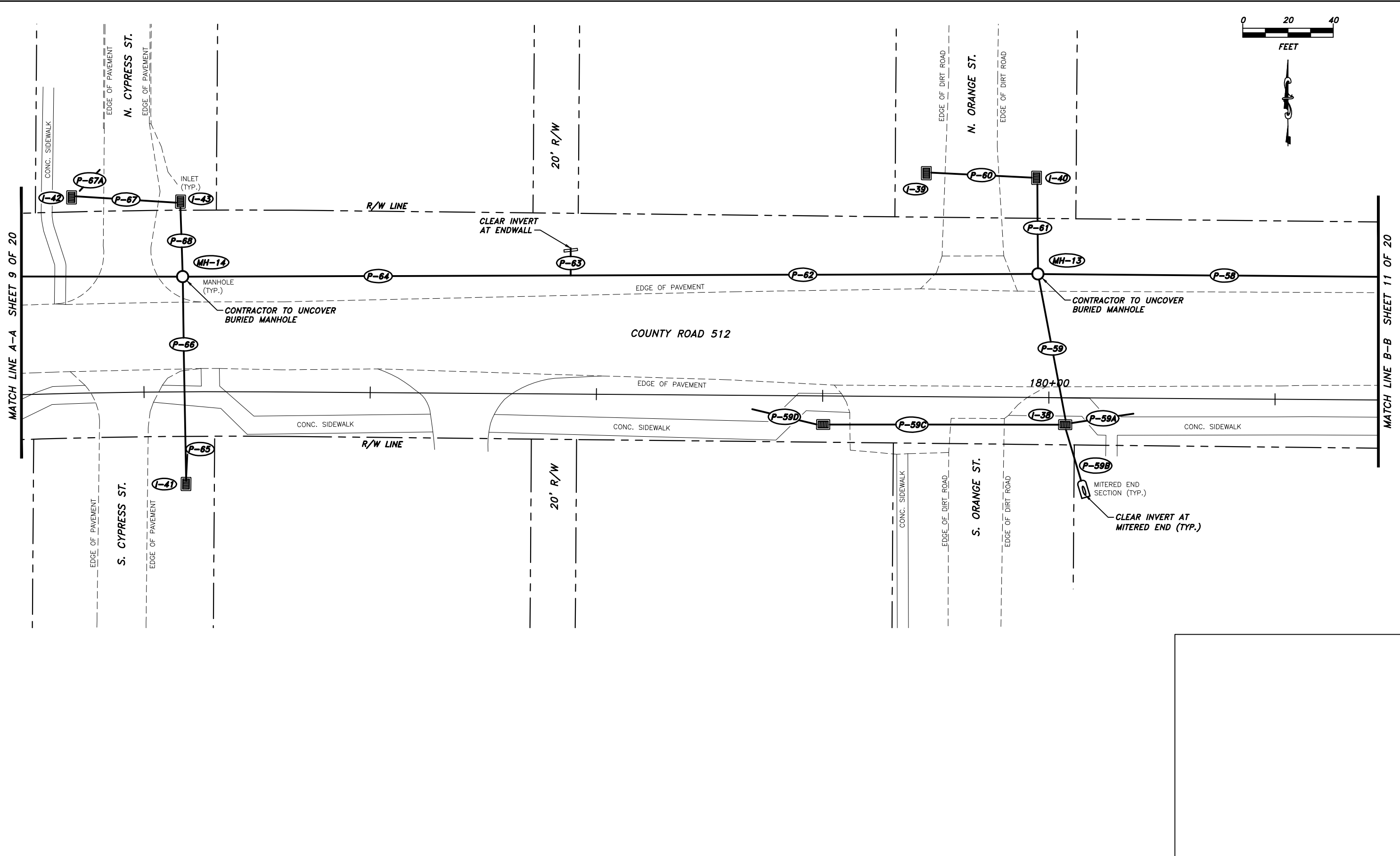
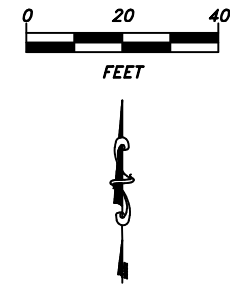
PIPE	12" CMP	12" HDPE	12"x18" RCP	15" CMP	15" RCP	18" CMP	18" RCP	24" CMP	24" RCP	19"x30" RCP	36" RCP	42" RCP	54" RCP	60" RCP	66" RCP	NOTES	DESILT	VIDEO
P-92					29'													
P-93					29'													
P-94					28'													
P-95					204'													
P-96					27'													
P-97					25'													
P-98									265'									
P-99	32'																	
P-100					6'													
PIPE TOTAL	227'	58'	13'	16'	2,031'	108'	1,087'	275'	919'	71'	289'	602'	667'	1,339'	1,132'			




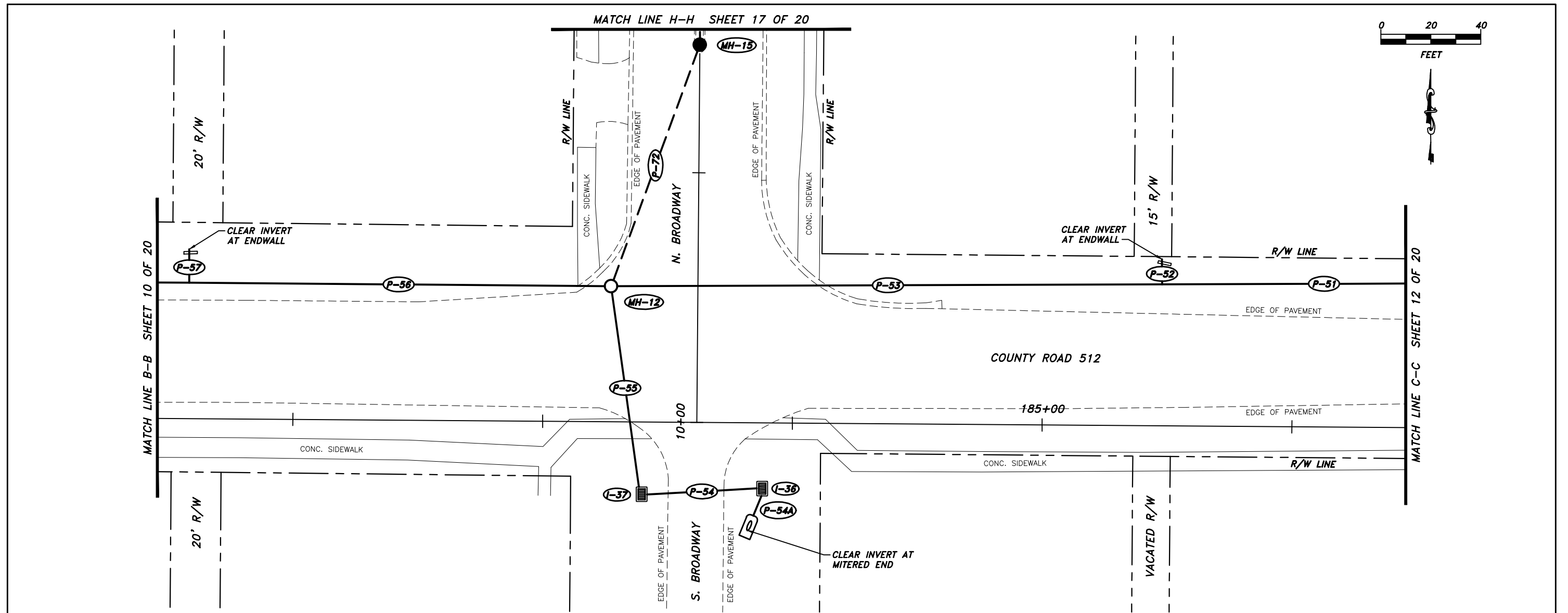
MATCH LINE A-A SHEET 10 OF 20

No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	 Department of Public Works Engineering Division	DESIGNED BY:	SECTION	DATE:	COUNTY PROJECT NO. IRC-2006
						M. WINSLOW, P.E. K. HANSEN M. WINSLOW, P.E.	TOWNSHIP 31S RANGE 37E FIELD BOOK NO. PAGE	2/14/2024	

CR-512
DRAINAGE SYSTEM PLAN
 SHEET 9 OF 20



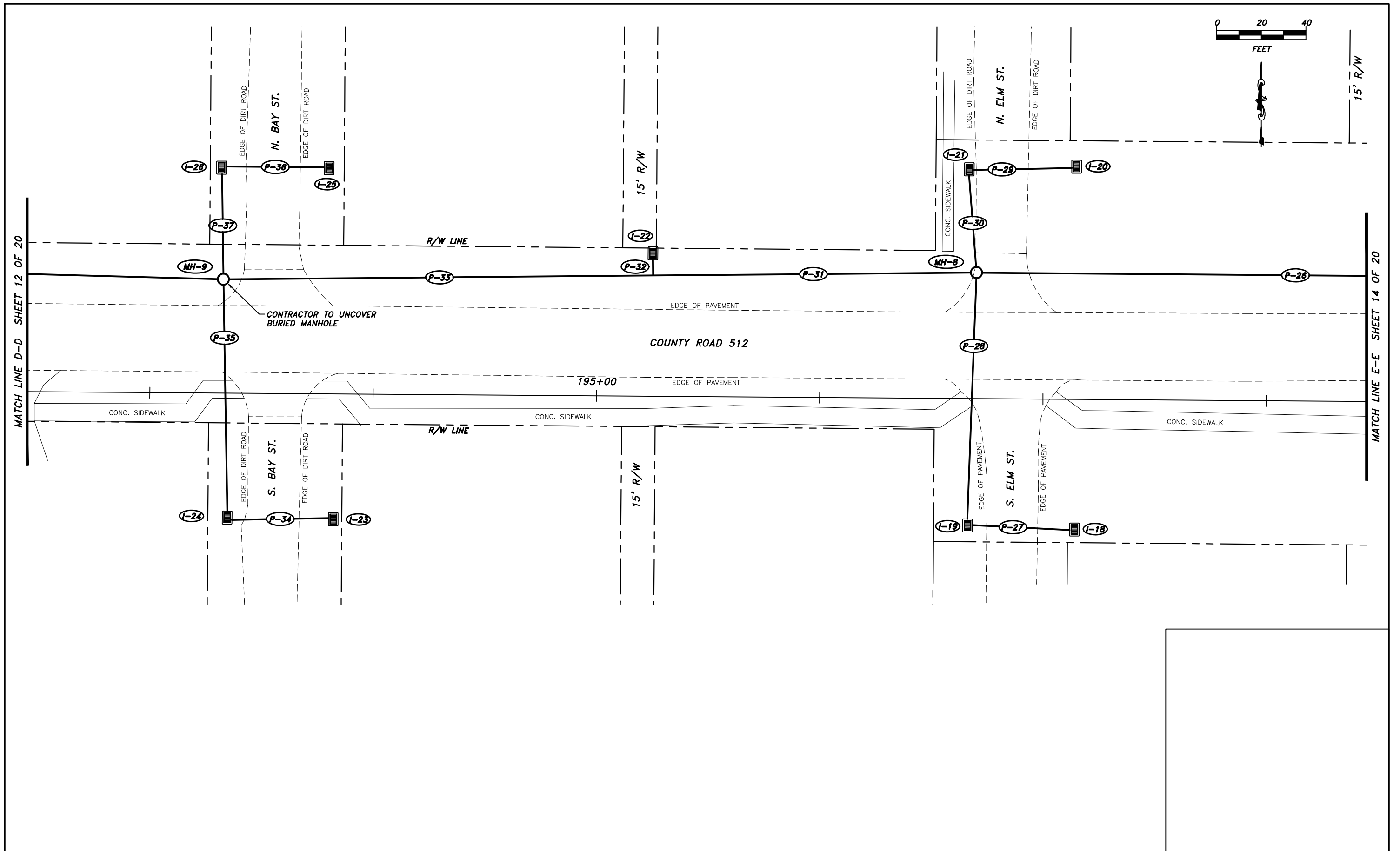
No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	 Department of Public Works Engineering Division	DESIGNED BY: M. WINSLOW, P.E.	SECTION	DATE: 2/14/2024	CR-512 DRAINAGE SYSTEM PLAN	SHEET 10 OF 20
						DRAWN BY: K. HANSEN	TOWNSHIP 31S	COUNTY PROJECT NO.		
						APPROVED BY: M. WINSLOW, P.E.	RANGE 37E	FIELD BOOK NO.	IRC-2006	
							PAGE			




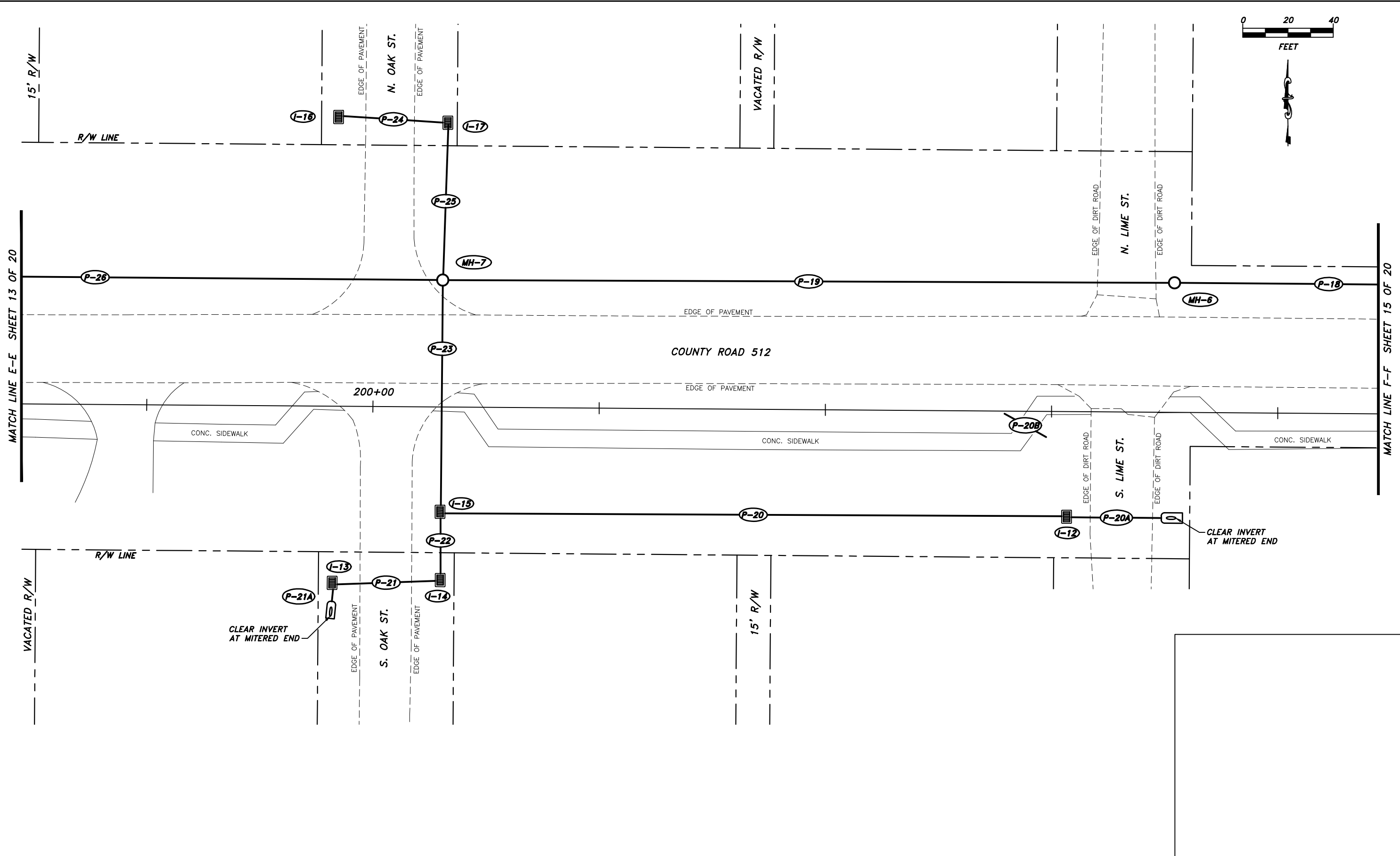
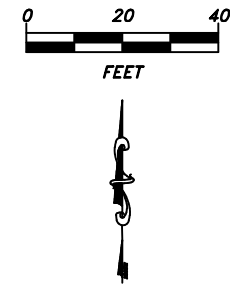
LEGEND


- DRAINAGE PIPES VERIFIED BY INDIAN RIVER COUNTY SURVEY
- - - DRAINAGE PIPES SIZE AND LOCATION TO BE VERIFIED BY CONTRACTOR
- DRAINAGE STRUCTURE LOCATION TO BE VERIFIED BY CONTRACTOR

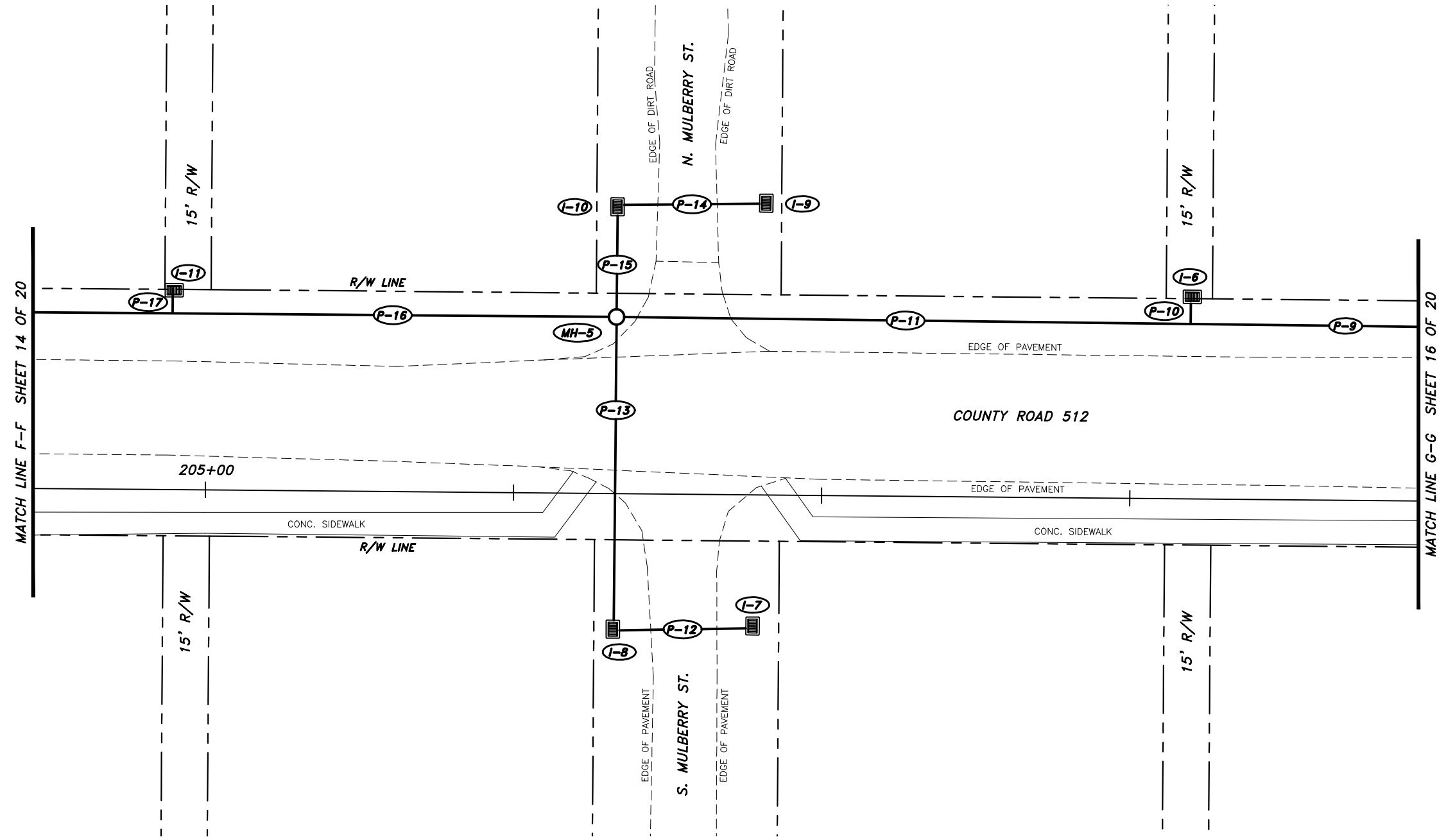
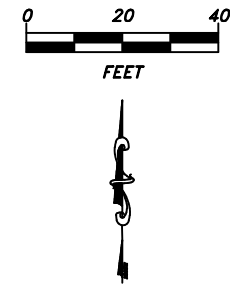
No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	Department of Public Works Engineering Division	DESIGNED BY: M. WINSLOW, P.E.	SECTION TOWNSHIP 31S RANGE 37E FIELD BOOK NO. PAGE	DATE: 2/14/2024 COUNTY PROJECT NO. IRC-2006	CR-512 DRAINAGE SYSTEM PLAN	SHEET 11 OF 20
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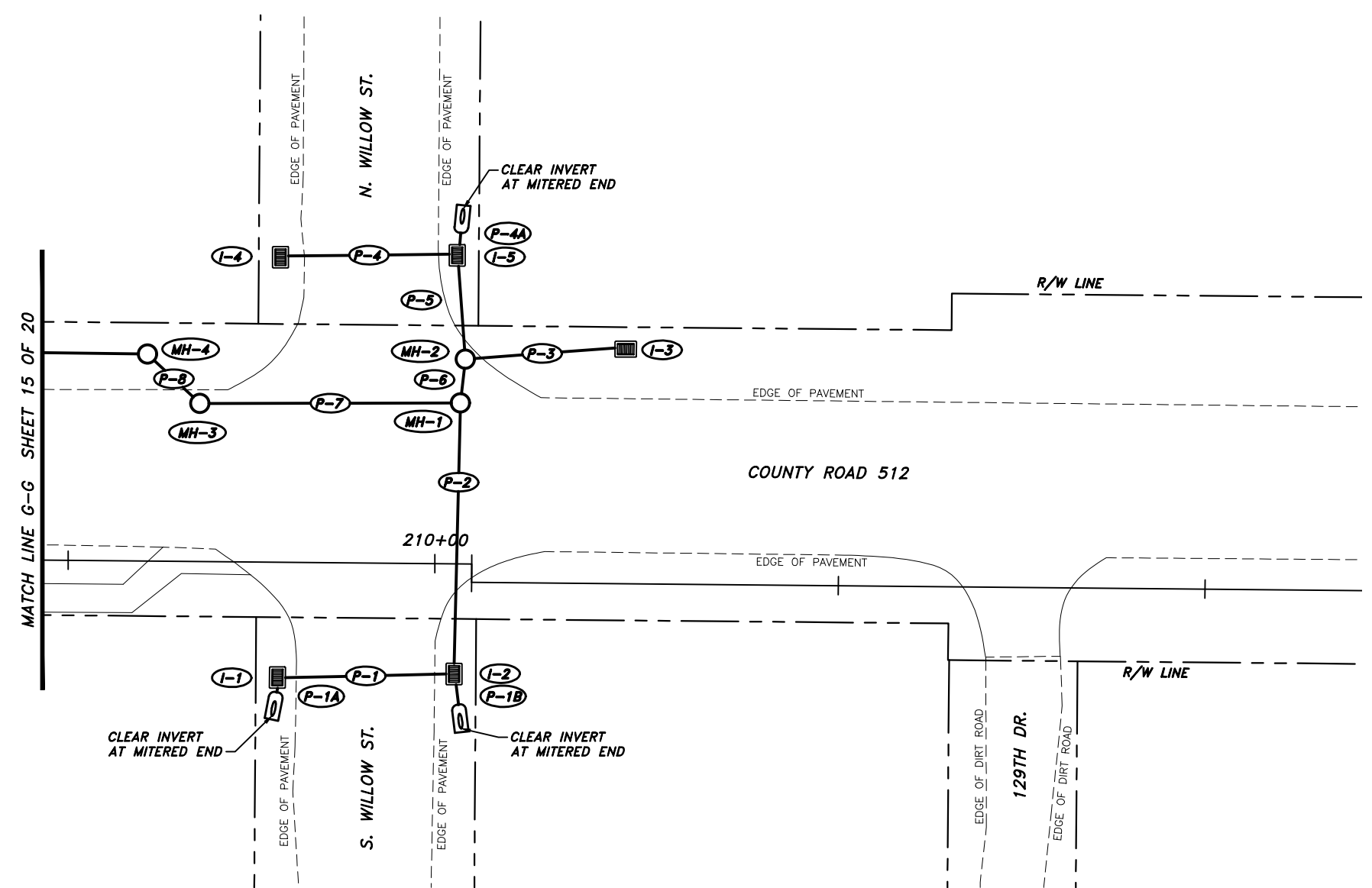
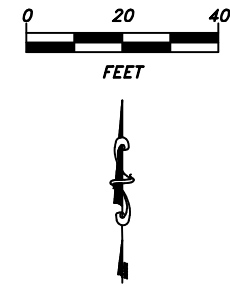
No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	 Department of Public Works Engineering Division	DESIGNED BY: M. WINSLOW, P.E.	SECTION TOWNSHIP 31S	DATE: 2/14/2024	CR-512 DRAINAGE SYSTEM PLAN	SHEET 13 OF 20
						DRAWN BY: K. HANSEN	RANGE 37E	COUNTY PROJECT NO. IRC-2006		
						APPROVED BY: M. WINSLOW, P.E.	FIELD BOOK NO. PAGE			




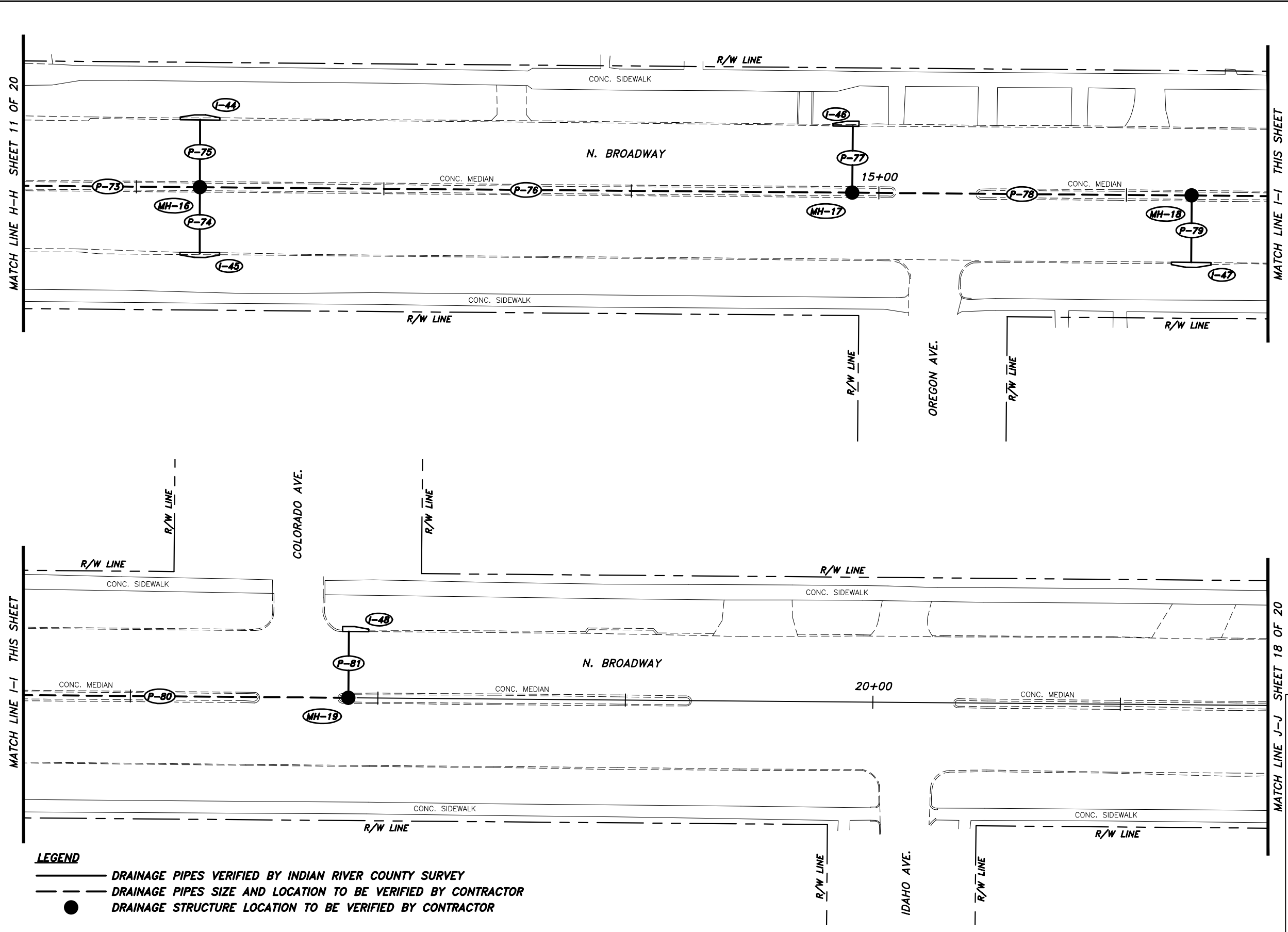
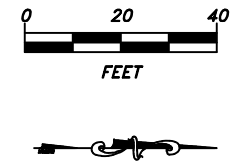
No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	 Department of Public Works Engineering Division	DESIGNED BY:	SECTION	DATE:	CR-512 DRAINAGE SYSTEM PLAN	SHEET 14 OF 20
						M. WINSLOW, P.E. DRAWN BY: K. HANSEN APPROVED BY: M. WINSLOW, P.E.	TOWNSHIP 31S RANGE 37E FIELD BOOK NO. PAGE	2/14/2024 COUNTY PROJECT NO. IRC-2006		



No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	 Department of Public Works Engineering Division	DESIGNED BY:	SECTION	DATE:	CR-512 DRAINAGE SYSTEM PLAN	SHEET 15 OF 20
						M. WINSLOW, P.E. DRAWN BY: K. HANSEN APPROVED BY: M. WINSLOW, P.E.	TOWNSHIP 31S RANGE 37E FIELD BOOK NO. PAGE	2/14/2024 COUNTY PROJECT NO. IRC-2006		



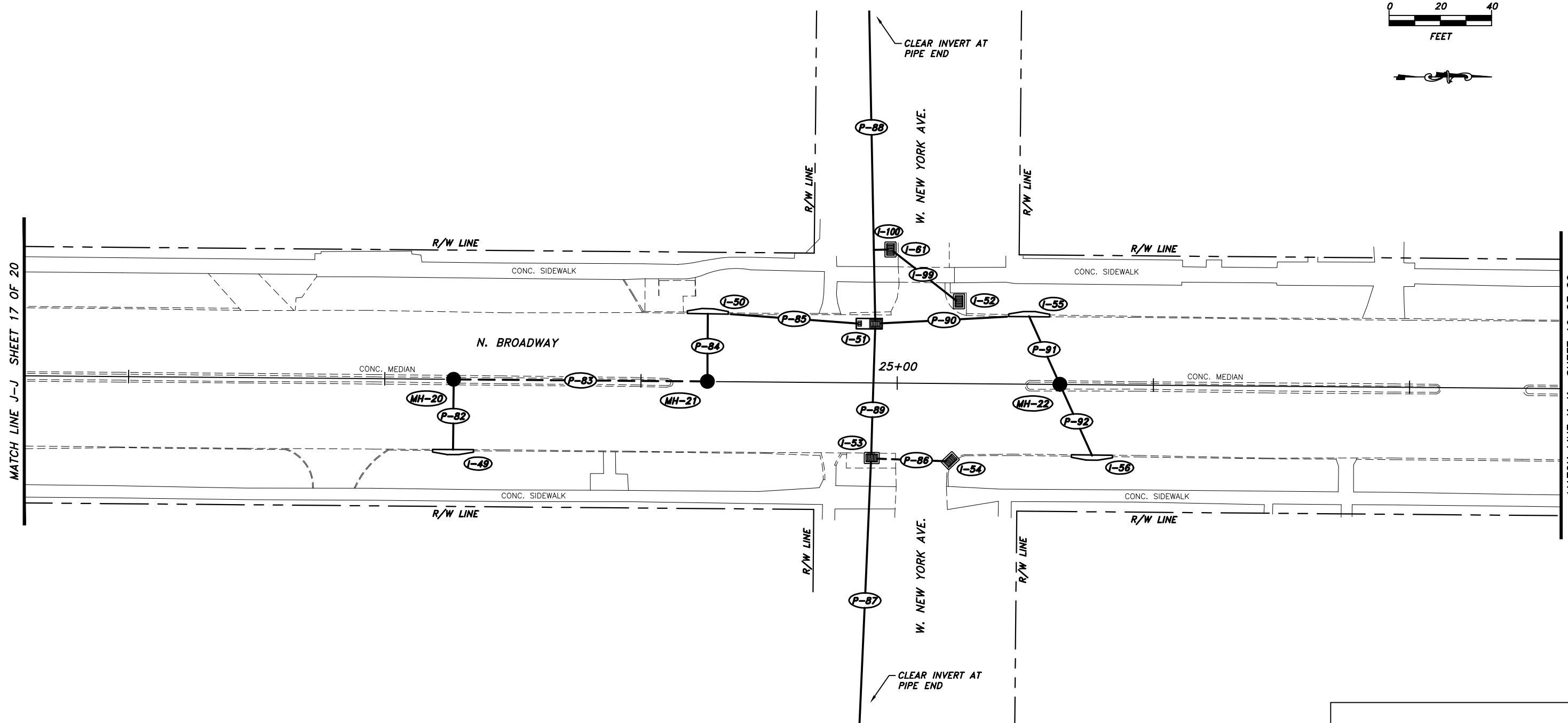
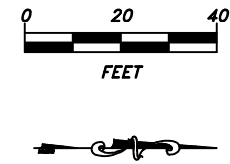
No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	 Department of Public Works Engineering Division	DESIGNED BY:	SECTION	DATE:	CR-512 DRAINAGE SYSTEM PLAN	SHEET 16 OF 20
						M. WINSLOW, P.E. DRAWN BY: K. HANSEN APPROVED BY: M. WINSLOW, P.E.	TOWNSHIP 31S RANGE 37E FIELD BOOK NO. PAGE	2/14/2024 COUNTY PROJECT NO. IRC-2006		



LEGEND

- DRAINAGE PIPES VERIFIED BY INDIAN RIVER COUNTY SURVEY
- - - DRAINAGE PIPES SIZE AND LOCATION TO BE VERIFIED BY CONTRACTOR
- DRAINAGE STRUCTURE LOCATION TO BE VERIFIED BY CONTRACTOR

No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	Department of Public Works Engineering Division	DESIGNED BY: M. WINSLOW, P.E. DRAWN BY: K. HANSEN APPROVED BY: M. WINSLOW, P.E.	SECTION TOWNSHIP 31S RANGE 37E FIELD BOOK NO. PAGE	DATE: 2/14/2024 COUNTY PROJECT NO. IRC-2006	N. BROADWAY ST. DRAINAGE SYSTEM PLAN	SHEET 17 OF 20
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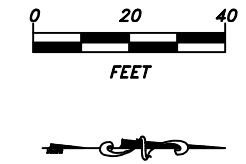
MATCH LINE J-J SHEET 17 OF 20

MATCH LINE K-K SHEET 19 OF 20

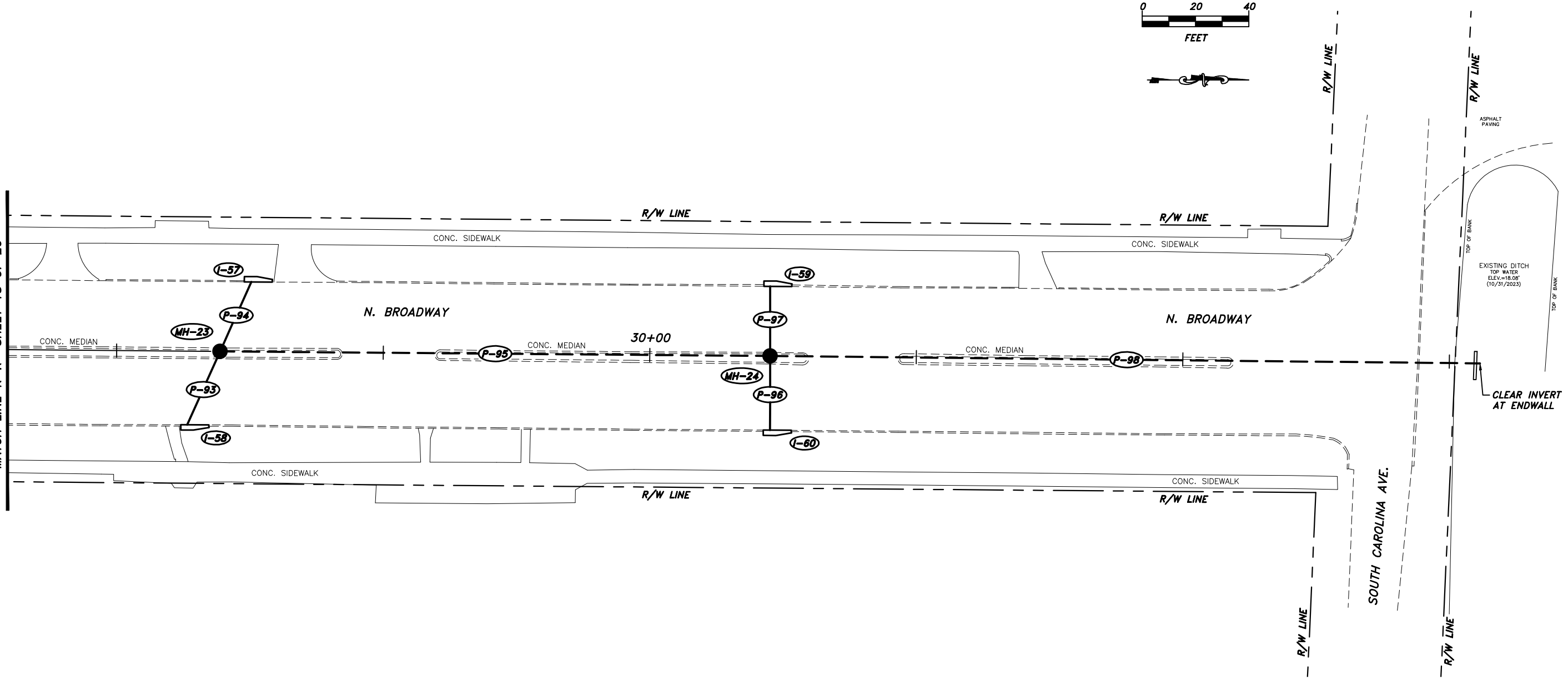
LEGEND

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- - - DRAINAGE PIPES SIZE AND LOCATION TO BE VERIFIED BY CONTRACTOR
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No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	Department of Public Works Engineering Division	DESIGNED BY: <i>M. WINSLOW, P.E.</i> DRAWN BY: <i>K. HANSEN</i> APPROVED BY: <i>M. WINSLOW, P.E.</i>	SECTION TOWNSHIP 31S RANGE 37E FIELD BOOK NO. PAGE	DATE: 2/14/2024 COUNTY PROJECT NO. IRC-2006	N. BROADWAY ST. DRAINAGE SYSTEM PLAN	SHEET 18 OF 20
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MATCH LINE K-K SHEET 18 OF 20



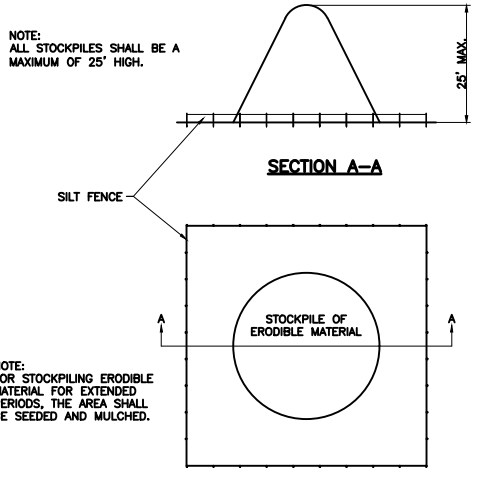
LEGEND

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- - - DRAINAGE PIPES SIZE AND LOCATION TO BE VERIFIED BY CONTRACTOR
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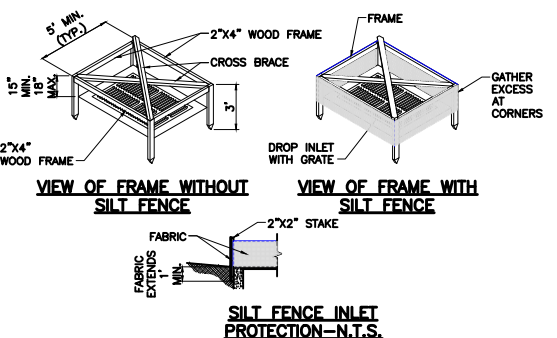
No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	Department of Public Works Engineering Division	DESIGNED BY: M. WINSLOW, P.E.	SECTION TOWNSHIP 31S RANGE 37E FIELD BOOK NO. PAGE	DATE: 2/14/2024 COUNTY PROJECT NO. IRC-2006	N. BROADWAY ST. DRAINAGE SYSTEM PLAN	SHEET 19 OF 20
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EROSION CONTROL NOTES

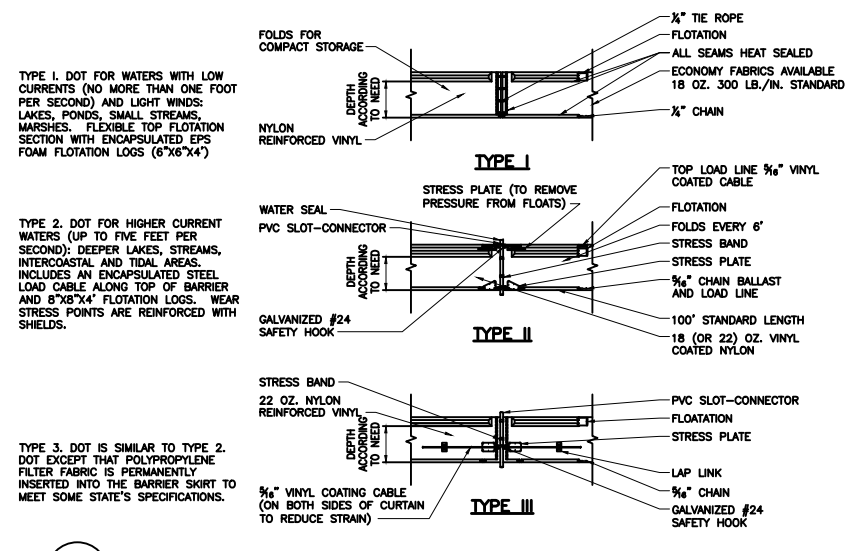
- Sediment basins and traps, perimeter dikes, sediment barriers and other measures intended to trap sediment shall be constructed as a first step in any land disturbing activity and shall be made functional before up-slope land disturbance takes place.
- All sediment control measures are to be adjusted to meet field conditions at the time of construction and be constructed prior to any grading or disturbance of existing surface material on balance of site. Perimeter sediment barriers shall be constructed to prevent sediment or trash from flowing or floating on to adjacent properties.
- Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site. Temporary soil stabilization shall be applied within seven (7) days to denuded areas that may not be at final grade but will remain undisturbed for longer than 30 days. Permanent stabilization shall be applied to areas that are to be left undisturbed for more than one year.
- During construction of the project, soil stock piles shall be stabilized, covered or contained with sediment trapping measures. The applicant is responsible for the temporary protection and permanent stabilization of all soil stockpiles on site as well as soil intentionally transported from the project site.
- A permanent vegetative cover shall be established on denuded areas not otherwise permanently stabilized.
- After any significant rainfall, sediment control structures will be inspected for integrity. Any damaged devices shall be corrected immediately.
- Concentrated runoff shall not flow down cut or fill slopes unless contained within an adequate temporary or permanent channel, flume, slope drain structure or approved control.
- Sediment will be prevented from entering any storm water system, ditch or channel. All storm water inlets that are made operable during construction shall be protected so that sediment-laden water cannot enter the conveyance system without first being filtered or otherwise treated to remove sediment.
- When work in a live watercourse is performed, precautions shall be taken to minimize encroachment, control sediment transport and stabilize the work area to the greatest extent possible during construction.
- Periodic inspection and maintenance of all sediment control structures must be provided to ensure intended purpose is accomplished. The developer, owner and/or contractor shall be continuously responsible for all sediment controls. Sediment control measures shall be in working condition at the end of each working day.
- Where construction vehicle access routes intersect paved public roads, provisions shall be made to minimize the transport of sediment by tracking onto the paved surface. Where sediment is transported onto a public road surface with curbs and gutters, the road shall be cleaned thoroughly at the end of each day. Sediment shall be removed from the roads by shoveling or sweeping and transported to a sediment control disposal area. Street washing shall be allowed only after sediment is removed in this manner. This provision shall apply to individual subdivision lots as well as to larger land disturbing activities.
- All temporary erosion and sediment control measures shall be removed within 30 days after final site stabilization or after the temporary measures are no longer needed.
- Properties and waterways downstream from construction sites shall be protected from sediment deposition and erosion at all times during construction.
- Erosion control design and construction shall follow the applicable requirements of the "State of Florida Erosion and Sediment Control Designer and Reviewer Manual", Latest Update: July 2013, or current edition and as may be modified by the Project Engineer of Record via a signed and sealed drawing and as required by Indian River County permits and other regulatory agency permits.
- Contractor is responsible for all surface water discharges, rainfall run off or dewatering activities.
- Contractor must incorporate all BMP's necessary to meet or exceed state water quality and SWPPP requirements.
- The Pollution Prevention Plan is a minimum guideline only. Additional BMP's may be necessary at contractor's expense.
- NOI to be posted on site.
- Dewatering activities:
 - A - Discharges must not exceed state water quality standards.
 - B - Contractor must have a transferable SURFACED Consumptive Use permit known as a "Noticed General Permit For Short Term Construction De-Watering".
 - C - No hydraulic pumps may be used for dewatering unless approved by the water management district for that area.
 - D - No turbid discharge. Turbidity readings are required once a week and must be reported to the project Engineer.
- Failure to develop and implement a certified stormwater pollution prevention plan shall be deemed a violation of the permit and the permittee shall be subject to enforcement action. The plan shall be completed prior to the submittal of an NOI (Notice of Intent) to be covered under the permit and updated as appropriate. The plan shall also provide for compliance with the terms and schedule of the plan beginning with the initiation of the construction activities.



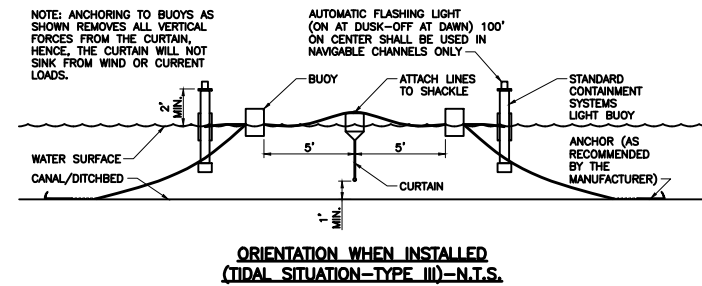
SEDIMENT CONTROL DETAIL FOR STOCKPILING OF ERODIBLE MATERIAL-N.T.S.



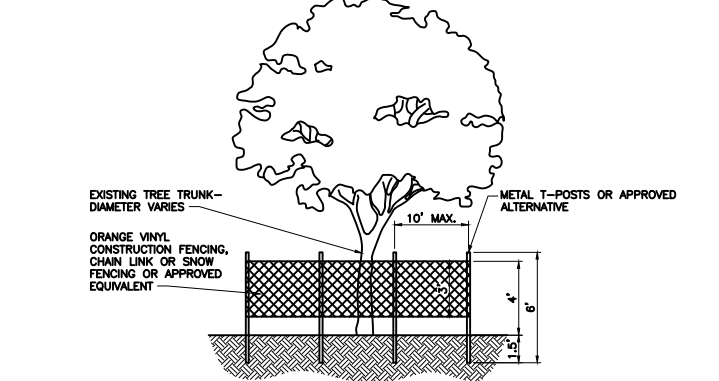
SILT FENCE INLET PROTECTION-N.T.S.



BLOW-UP OF SHACKLE CONNECTION



ORIENTATION WHEN INSTALLED (TIDAL SITUATION-TYPE III)-N.T.S.

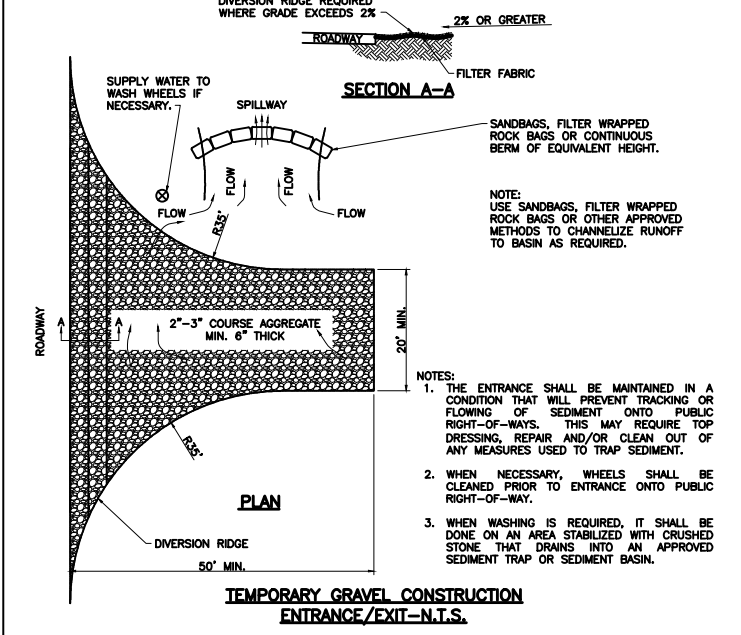


ELEVATION

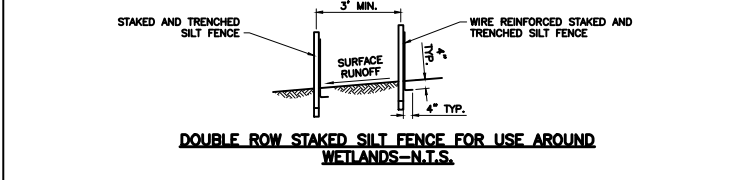
PLAN

PROTECTIVE FENCING FOR TREES-N.T.S.

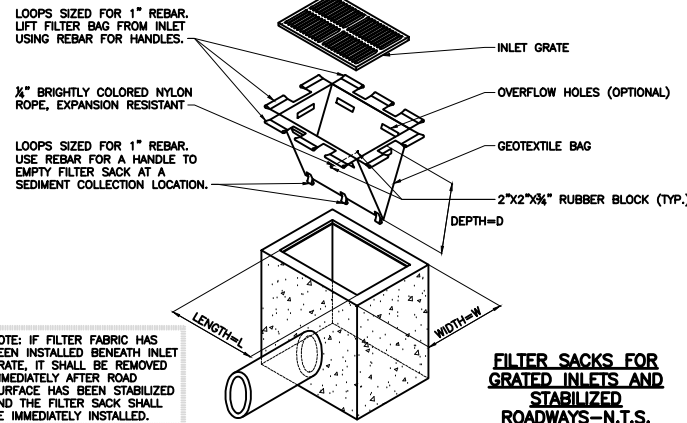
- ALL TREES RETAINED ON A SITE SHALL BE PROTECTIVELY BARRICADED BEFORE AND DURING CONSTRUCTION ACTIVITIES.
- UNDERGROUND UTILITY LINES SHALL BE ROUTED AROUND EXISTING TREES TO THE OUTSIDE OF THE DRIFLINE WHERE APPLICABLE.
- INSTALLATION OF FENCES AND WALLS SHALL TAKE INTO CONSIDERATION THE ROOT SYSTEMS OF EXISTING TREES.
- FENCE/BARRICADE SHALL BE INSTALLED AT PERIMETER OF ALL TREES OR GROUP OF TREES TO BE PRESERVED. SUFFICIENT ENOUGH TO KEEP THE FENCE UP RIGHT AND IN PLACE.
- DO NOT PARK HEAVY EQUIPMENT ON TREE ROOTS. DO NOT ADD FILL 4" TO 6" AROUND TREE. ALL WORK WITHIN THE CRZ MUST BE DONE BY HAND.



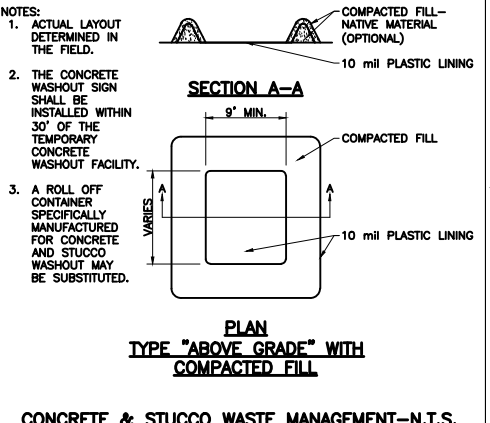
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT-N.T.S.



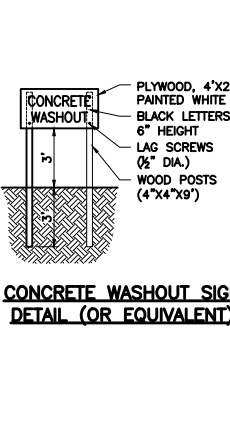
DOUBLE ROW STAKED SILT FENCE FOR USE AROUND WETLANDS-N.T.S.



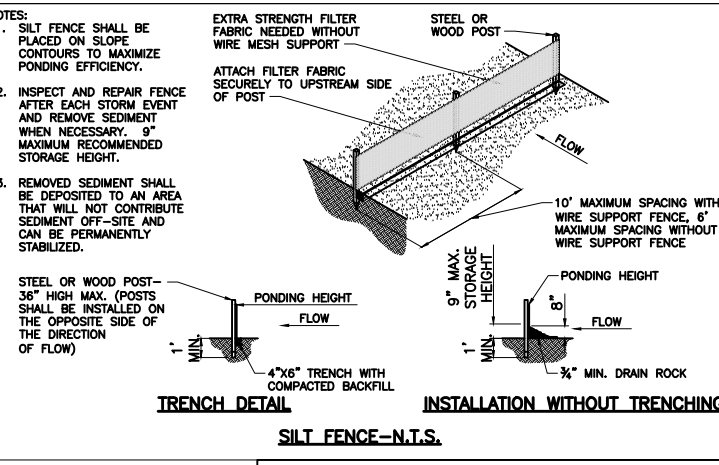
FILTER SACKS FOR GRATED INLETS AND STABILIZED ROADWAYS-N.T.S.



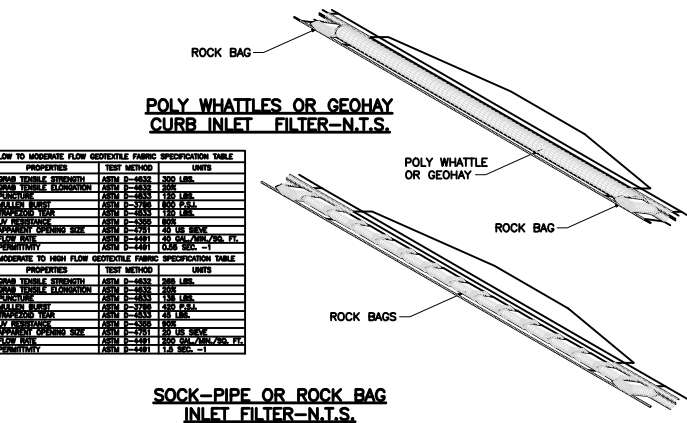
CONCRETE & STUCCO WASTE MANAGEMENT-N.T.S.



CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)

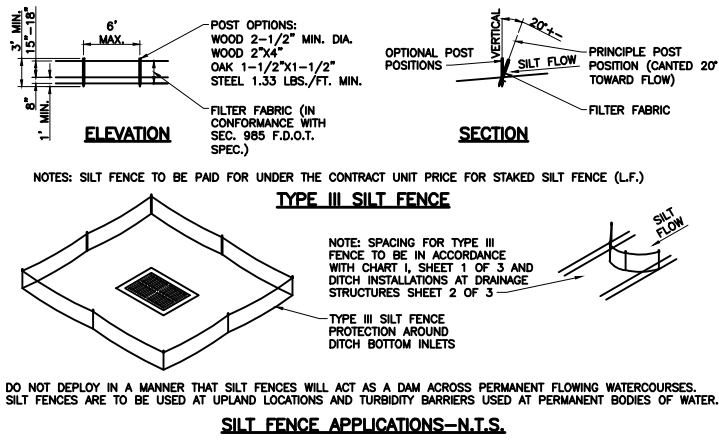


SILT FENCE-N.T.S.



POLY WHATTLES OR GEOHAY CURB INLET FILTER-N.T.S.

SOCK-PIPE OR ROCK BAG INLET FILTER-N.T.S.



SILT FENCE APPLICATIONS-N.T.S.

- NOTE**
- THIS PLAN SHEET SHALL NOT BE CONSIDERED A SWPPP (STORMWATER POLLUTION PREVENTION PLAN) BUT IS A PLAN REPRESENTATIVE OF THE MINIMUM REQUIRED BMP'S (BEST MANAGEMENT PRACTICES).
 - THE SWPPP SHALL BE COMPLETED PRIOR TO THE SUBMITTAL OF THE NOTICE OF INTENT (NOI) TO BE COVERED UNDER THE DEPARTMENT'S GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.