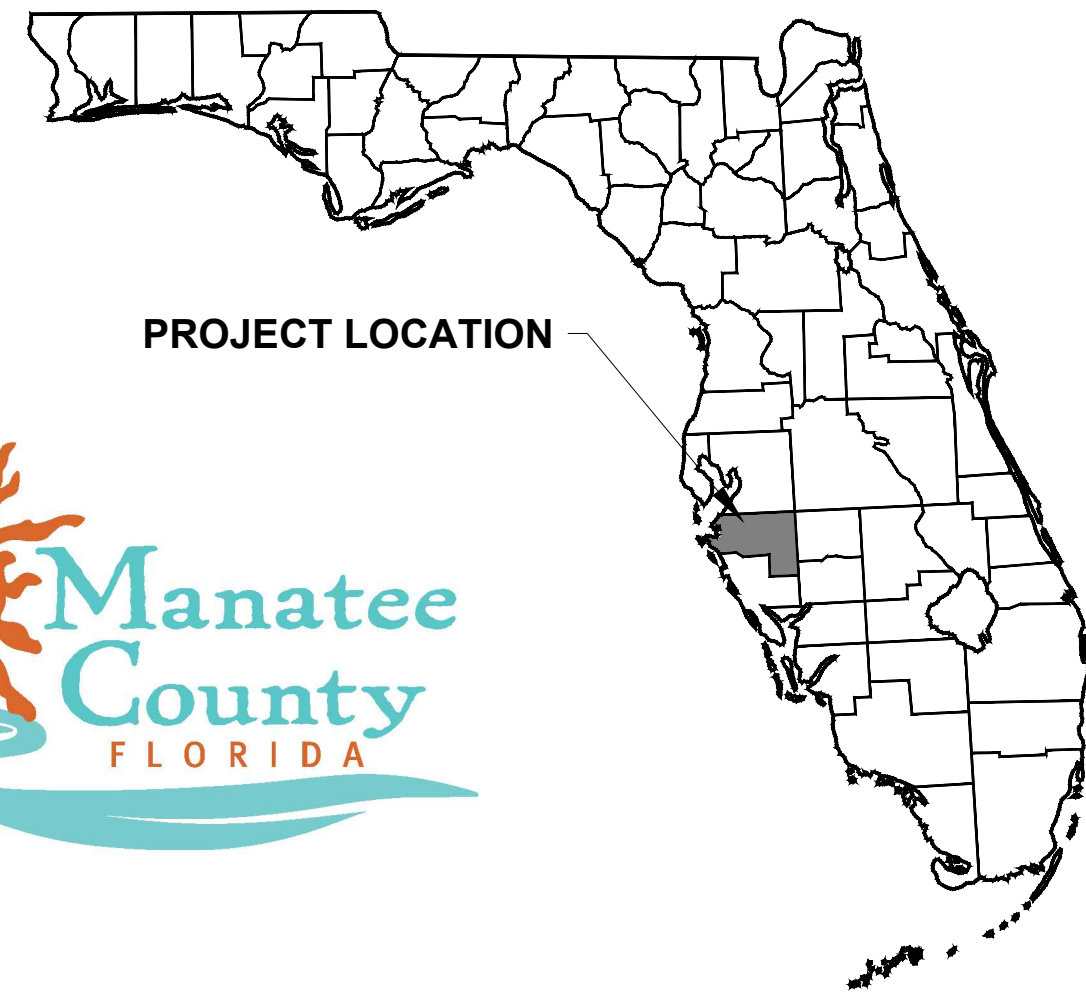


Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: C-000 COVER SHEET August 12, 2022 10:25:25am K:\SAR_URG\148400080 - Parrish Community Park\CAD\PlanSheets\C-000 COVER SHEET.dwg
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REV. 30% CONSTRUCTION PLANS FOR PARRISH COMMUNITY PARK

FORT HAMER ROAD PARRISH, FLORIDA 34219 SECTION 30, TOWNSHIP 33S, RANGE 19E

PROJECT TEAM

OWNER / CLIENT
 MANATEE COUNTY
 1112 MANATEE AVENUE WEST
 BRADENTON, FL 34205
 TEL: (941) 748-4501
 AARON RAWLEY (PROJECT MANAGER)

LANDSCAPE ARCHITECT
 KIMLEY HORN AND ASSOCIATES, INC.
 1777 MAIN STREET, SUITE 200
 SARASOTA, FL 34236
 TEL: (941) 379-7610
 CONTACT: ED DEAN, PLA (PROJECT MANAGER)

CIVIL ENGINEER
 KIMLEY HORN AND ASSOCIATES, INC.
 1777 MAIN STREET, SUITE 200
 SARASOTA, FL 34236
 TEL: (941) 379-7600
 CONTACT: RYAN R. HOPPE, PE

ELECTRICAL ENGINEER
 ENGINEERING MATRIX INC.
 2860 SCHERER DR.
 ST. PETERSBURG, FL 33716
 TEL: (727) 573-4656
 CONTACT: CARRIE TYSON, P.E.

SURVEYOR
 HYATT SURVEYING
 PROJECT MANAGER
 2012 LENA ROAD
 BRADENTON, FL 34211
 TEL: (813) 503-3226
 FAX: (941) 744-1643
 CONTACT: RUSSEL P. HYATT, PSM

UTILITY CONTACTS

POTABLE WATER
 MANATEE COUNTY UTILITIES
 4520 66TH ST W
 BRADENTON, FL 34210
 PHONE: (941) 792-8811 EXT. 5002
 ATTN: KATHY MCMAHON

WASTEWATER
 MANATEE COUNTY UTILITIES
 4520 66TH ST W
 BRADENTON, FL 34210
 PHONE: (941) 792-8811 EXT. 5002
 ATTN: KATHY MCMAHON

CABLE TV
 CHARTER COMMUNICATIONS
 5413 SR 64 E
 BRADENTON, FL 34208
 PHONE: (941) 748-3816
 ATTN: JAMES FLEMING

GAS
 TECO/PEOPLES GAS- SARASOTA
 8416 PALM RIVER RD
 TAMPA, FLORIDA 33619
 PHONE: (813) 275-3783
 ATTN: JOAN DOMNING

ELECTRIC
 FLORIDA POWER AND LIGHT
 THE GROVE LN
 ENV/WP8 BLDG 8
 WEST PALM BEACH, FL 33407
 PHONE: (386) 586-6403
 ATTN: JOEL BRAY

ELECTRIC
 PEACE RIVER ELECTRIC COOPERATIVE INC.
 P.O. BOX 1310
 WAUCHULA, FL 33873-1310
 PHONE: 863-767-4650
 ATTN: PAUL ROBERTS

TELEPHONE
 FRONTIER COMMUNICATIONS
 3712 W WALNUT ST
 TAMPA, FL 33607
 PHONE: (813) 875-1014
 ATTN: TONI CANNON

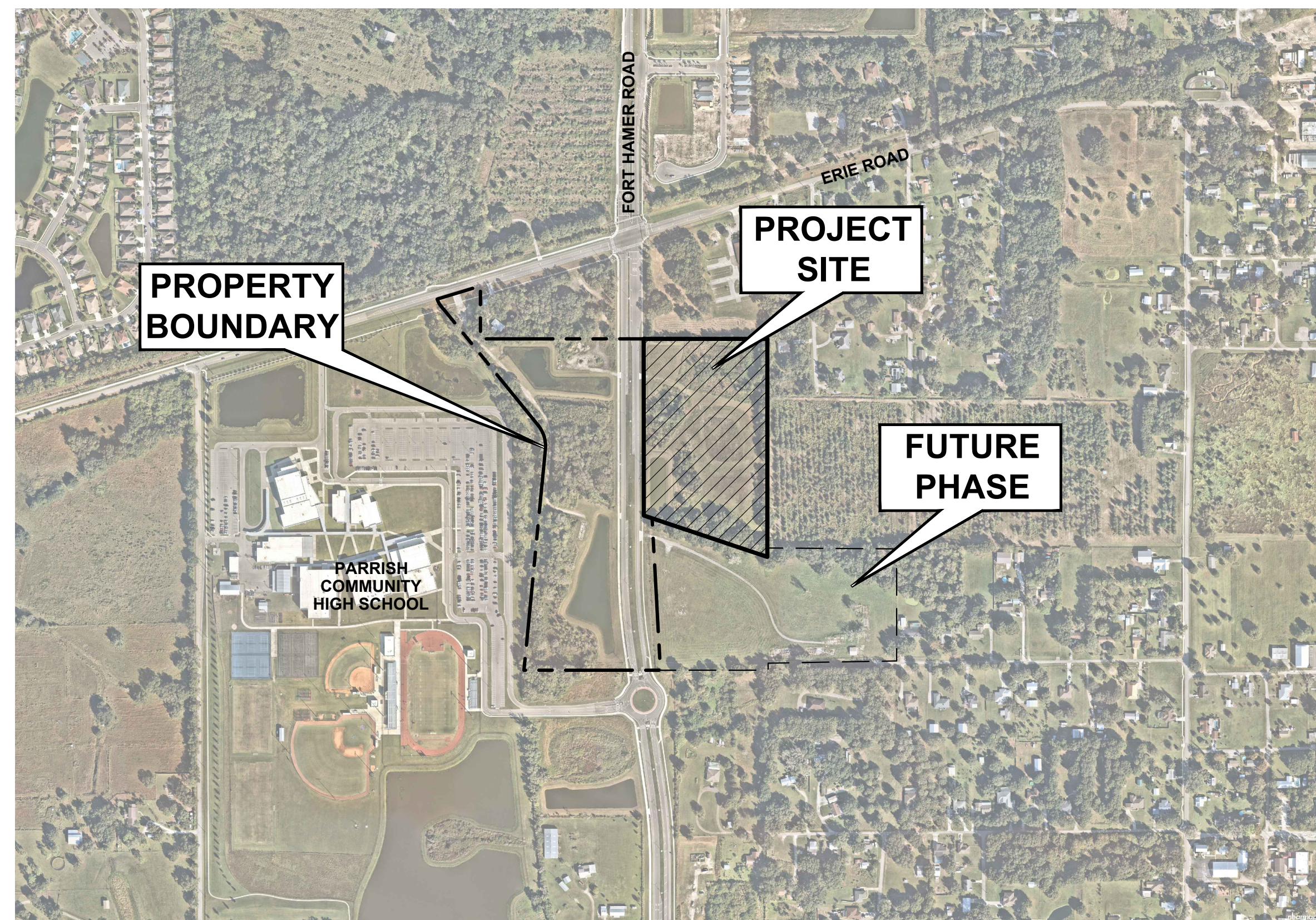
PROJECT DATA

PARCEL ID 467201009
 SIZE: 12.49AC
 ZONING: A-1
 FUTURE LAND USE: P/SP-1

PARCEL ID 467200159
 SIZE: 19.91AC
 ZONING: A-1
 FUTURE LAND USE: P/SP-1

RYAN R. HOPPE, P.E.
 FLA. REGISTERED ENGINEER
 # 79400
 CA 00000696

DATE



VICINITY MAP
NTS

PROGRESS PLANS FOR REVIEW

AUGUST 2022



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 1777 MAIN ST, SUITE 200, SARASOTA, FL 34236
 PHONE: 941-379-7600
 WWW.KIMLEY-HORN.COM CA 00000696

SITE DRAWING INDEX	
SHEET NO.	SHEET TITLE
C-000	COVER SHEET
C-100	GENERAL NOTES
C-101	AERIAL LOCATION PLAN
C-102	SURVEY
C-103	TREE PRESERVATION PLAN
C-104	DEMOLITION PLAN
C-200	MASTER SITE PLAN
C-201	SITE PLAN
C-202	SITE PLAN
C-203	SITE PLAN
C-204	SITE PLAN
C-300	BEST MANAGEMENT PRACTICES
C-301	BEST MANAGEMENT PRACTICES DETAILS
C-401	PAVING GRADING AND DRAINAGE PLAN
C-402	PAVING GRADING AND DRAINAGE PLAN
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C-404	PAVING GRADING AND DRAINAGE PLAN
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C-500	UTILITY PLAN
C-600	PAVEMENT MARKING AND SIGNAGE PLAN
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E-100	ELECTRICAL GENERAL SHEET
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H-201	FENCING AND FURNISHING PLAN
H-202	FENCING AND FURNISHING PLAN
H-203	FENCING AND FURNISHING PLAN
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H-301	DETAILS
H-302	DETAILS
H-303	DETAILS
H-304	PERFORMANCE PAVILION DETAILS
H-305	5-12 PLAYGROUND DETAILS
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L-203	IRRIGATION PLAN
L-204	IRRIGATION PLAN
L-205	IRRIGATION SPECIFICATIONS
L-206	IRRIGATION DETAILS

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EDWARD M. DEAN, PLA
 FLORIDA LICENSE NUMBER
 LA 6667269

KHA PROJECT
 148-400080

DATE
 AUGUST 2022

SCALE AS SHOWN

DESIGNED BY EMD

DRAWN BY

CHECKED BY EMD

DATE: 8/12/2022

REVISIONS

No.

DATE

BY

COVER SHEET

PARRISH
COMMUNITY PARK

PREPARED FOR

MANATEE COUNTY

FLORIDA

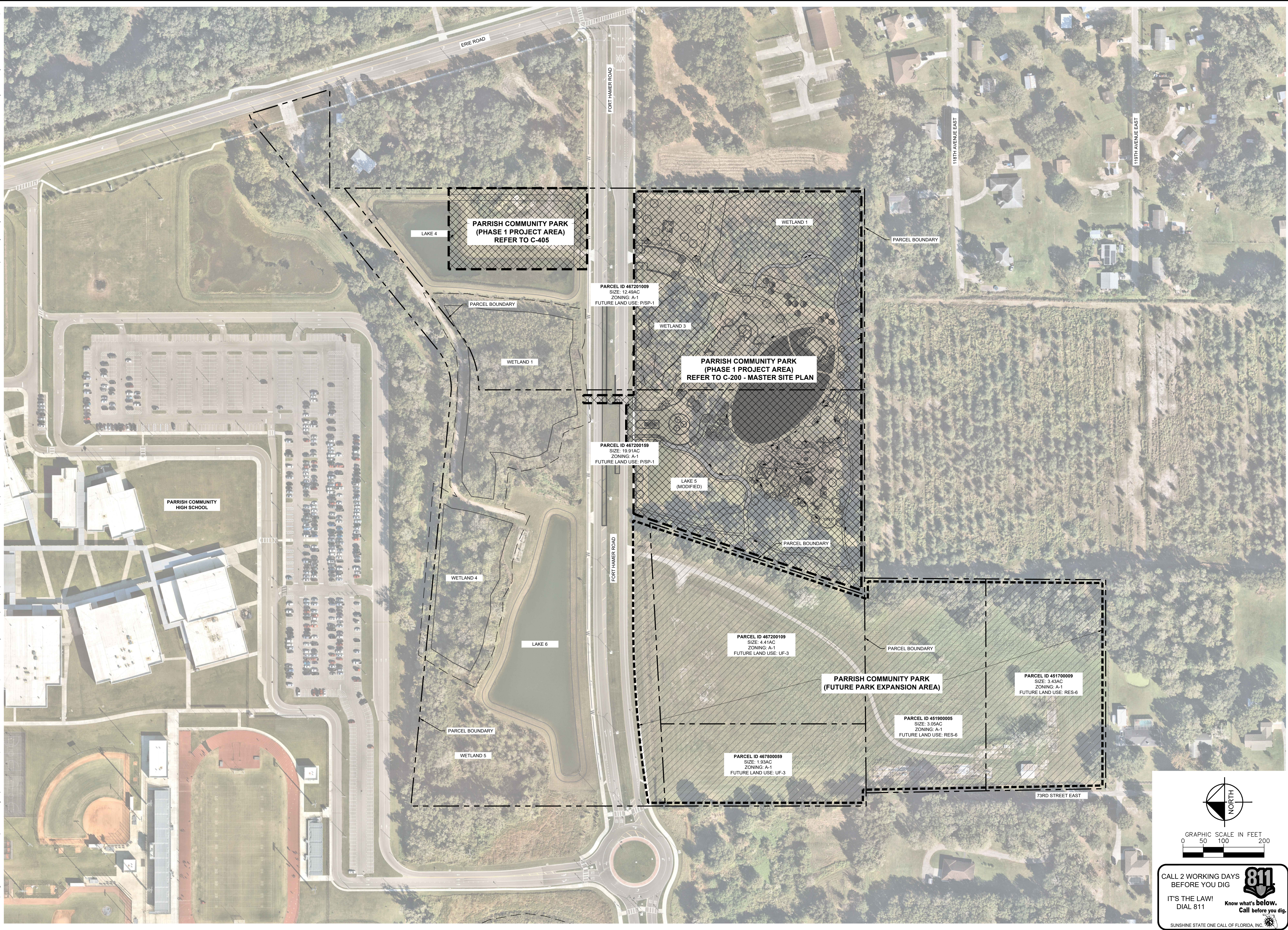
MANATEE COUNTY

SHEET NUMBER

C-000

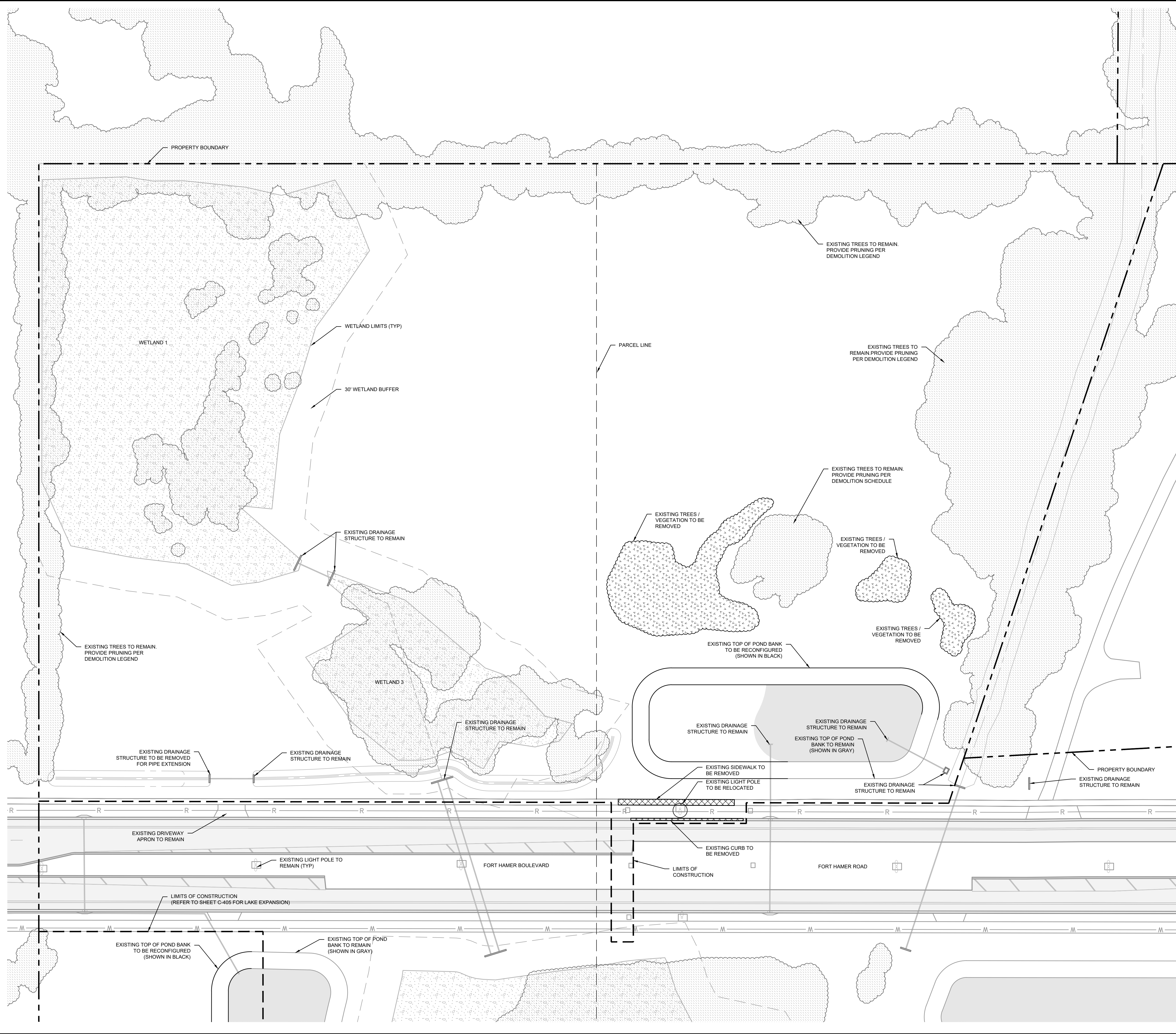
THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: C-101. AERIAL LOCATION PLAN. August 12, 2022. 10:26:11am. K:\SAR_URC\148400080 - Parrish Community Park\CAD\PlanSheets\C-200A - AERIAL SITE PLAN.dwg
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PARRISH COMMUNITY PARK PREPARED FOR MANATEE COUNTY MANATEE COUNTY FLORIDA	AERIAL LOCATION PLAN		KHA PROJECT 148-400080
	30% PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)		DATE AUGUST 2022
Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236 PHONE: 941-579-7800 WWW.KIMLEY-HORN.COM REGISTRY NO. 696		EDWARD M. DEAN, P.L.A. FLORIDA LICENSE NUMBER LA 6667269	
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SHEET NUMBER C-101		REVISIONS No. DATE BY	

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: C-103 DEMOLITION PLAN. August 03, 2022. 04:50:37pm. K:\SAR JURIS\148400080 - Parrish Community Park\CAD\PlanSheets\C-103 - DEMOLITION PLAN.dwg
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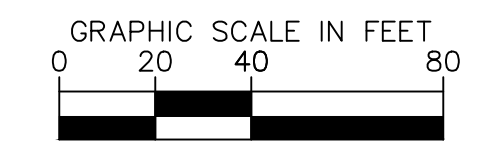
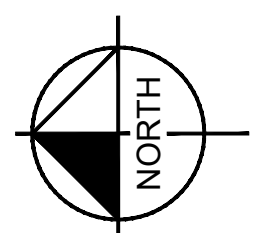


DEMOLITION LEGEND

SYMBOL	DESCRIPTION	DETAIL
	PAVEMENT / CURB TO BE REMOVED SPECIFICATION TO BE DETERMINED	TBD
	TREES / VEGETATION TO BE REMOVED SPECIFICATION TO BE DETERMINED	TBD
	TREE CANOPY TO BE PROTECTED PROVIDE CROWN CLEANING TO REMOVE DEAD WOOD FROM CANOPY OF TREES	TBD

NOTES

- ALL AREAS WITHIN THE PROJECT AREA SHALL BE CLEARED AND GRUBBED UNLESS OTHERWISE NOTED.
- ALL DEMOLITION SHALL BE WITHIN THE LIMITS OF DEMOLITION.
- CONDUIT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
- PROVIDE PROTECTION NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED ON PLAN.
- RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
- REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF IN A LEGAL MANNER.
- LOCATE EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES IN AREAS OF WORK IF UTILITIES ARE TO REMAIN IN PLACE. PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING DEMOLITION OPERATION.
- SHOULD UNCHARTED, OR INCORRECTLY CHARTED, PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING DEMOLITION, CONSULT PROJECT ENGINEER AND UTILITY OWNER IN WRITING FOR CORRECTIVE ACTION.
- DEMOLISH AND COMPLETELY REMOVE FROM SITE. MATERIAL INDICATED ON PLAN OR NOTES.
- THE USE OF EXPLOSIVES IS NOT PERMITTED.
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY THE DEMOLITION OPERATION.
- CONTRACTOR IS TO PROVIDE APPROVED EROSION CONTROL/SEDIMENTATION BARRIERS TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATERWAYS. IN ADDITION, CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL, AS NEEDED ON THE GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT THE SITE.
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- ALL UTILITIES LOCATED WITHIN THE LIMITS OF DEMOLITION SHALL BE REMOVED TO THE LIMITS OF DEMOLITION AND/OR R/W AND CAPPED (WHERE APPLICABLE) UNLESS OTHERWISE NOTED.
- ALL EXISTING CURBING AND ASPHALT PAVEMENT WITHIN THE LIMITS OF DEMOLITION SHALL SAW CUT AND REMOVED UNLESS OTHERWISE NOTED.
- CONTRACTOR TO FIELD VERIFY PRESENCE OF ALL ASPHALT PAVEMENT WITHIN THE LIMITS OF DEMOLITION.
- CONTRACTOR IS TO OBTAIN PROPER PERMITS PRIOR TO DEMOLITION OF EXISTING STRUCTURES.
- CONTRACTOR TO INSTALL SAFETY FENCE AND PROPERLY SIGN/MARK AROUND WORK AND STAGING AREA TO PREVENT PEDESTRIAN TRAFFIC FROM ENTERING.
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- ALL STRIPING TO BE REMOVED SHALL BE HYDROBLASTED.
- CONTRACTOR TO COORDINATE WITH OWNER OF LOCATION OF CONSTRUCTION ENTRANCE AND TO INSTALL PER DETAIL ON SHEET C-300.
- WATER UTILITIES INSPECTOR MUST BE PRESENT FOR CAPPING OF ALL EXISTING SANITARY PIPING.



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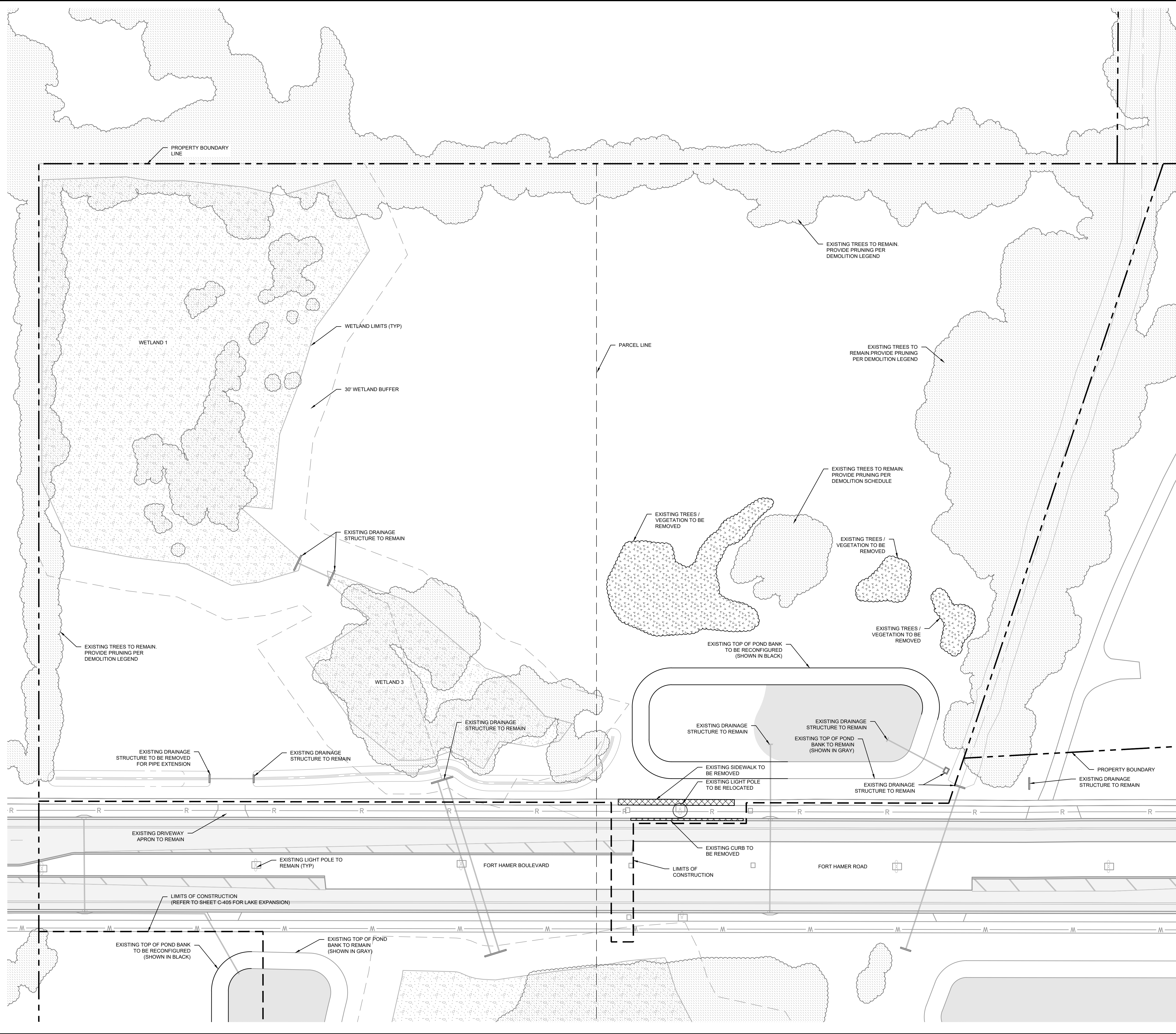
EDWARD M. DEAN, P.E.
 FLORIDA LICENSE NUMBER
 LA 6667269
 CHECKED BY: EMD DATE: 8/3/2022

KHA PROJECT
 148-400080
 DATE
 AUGUST 2022
 SCALE AS SHOWN
 DESIGNED BY EMD
 DRAWN BY
 CHECKED BY EMD

DEMOLITION PLAN

PARRISH COMMUNITY PARK
 PREPARED FOR
MANATEE COUNTY
 FLORIDA
 SHEET NUMBER
C-103

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: C-104, DEMOLITION PLAN - August 12, 2022 10:26:25am - K:\SAP_LRC\148400080 - Parrish Community Park\CAD\PlanSheets\C-103 - DEMOLITION PLAN.dwg
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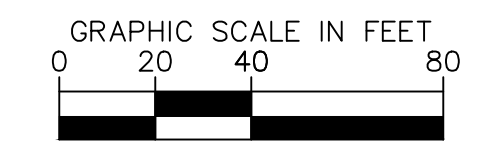
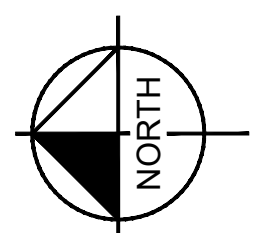


DEMOLITION LEGEND

SYMBOL	DESCRIPTION	DETAIL
	PAVEMENT / CURB TO BE REMOVED SPECIFICATION TO BE DETERMINED	TBD
	TREES / VEGETATION TO BE REMOVED SPECIFICATION TO BE DETERMINED	TBD
	TREE CANOPY TO BE PROTECTED PROVIDE CROWN CLEANING TO REMOVE DEAD WOOD FROM CANOPY OF TREES	TBD

NOTES

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- CONTRACTOR TO COORDINATE WITH OWNER OF LOCATION OF CONSTRUCTION ENTRANCE AND TO INSTALL PER DETAIL ON SHEET C-300.
- WATER UTILITIES INSPECTOR MUST BE PRESENT FOR CAPPING OF ALL EXISTING SANITARY PIPING.



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No.	REVISIONS	DATE	BY

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 1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236
 PHONE: 941-579-7800
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT 148-400080	EDWARD M. DEAN, P.L.A.
DATE AUGUST 2022	FLORIDA LICENSE NUMBER LA 6667269
SCALE AS SHOWN	CHECKED BY EMD
DESIGNED BY EMD	DATE 8/12/2022
DRAWN BY	

DEMOLITION PLAN

PARRISH COMMUNITY PARK
 PREPARED FOR
MANATEE COUNTY
 MANATEE COUNTY FLORIDA
 SHEET NUMBER
C-104

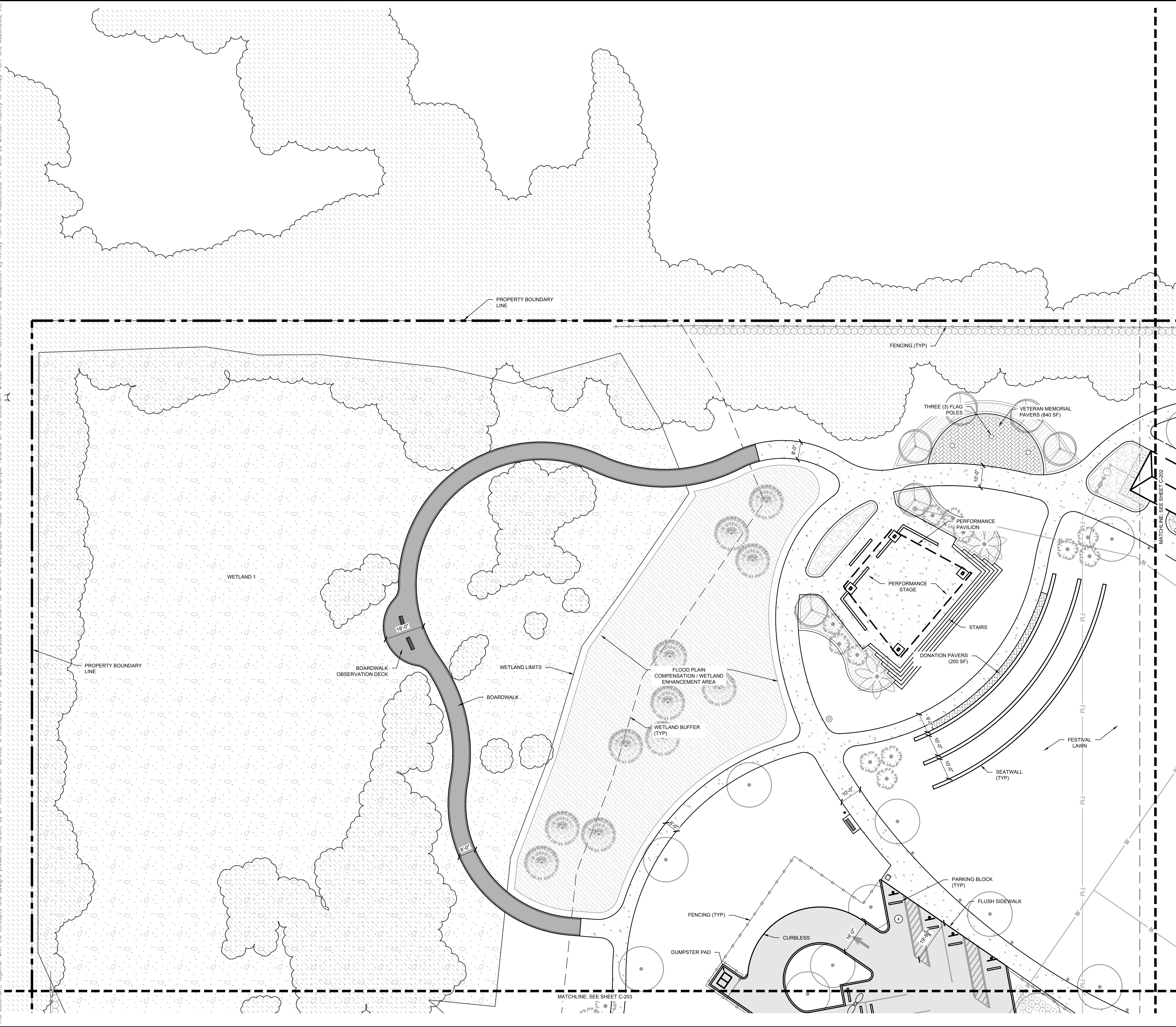
Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: C-200 MASTER SITE PLAN - August 12, 2022 - 10:26:48am - K:\SAR_URG\18400080 - Parrish Community Park\CAD\PlanSheets\C-200 - MASTER SITE PLAN.dwg
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NORTH
 GRAPHIC SCALE IN FEET
 0 20 40 80
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PARRISH COMMUNITY PARK PREPARED FOR MANATEE COUNTY MANATEE COUNTY FLORIDA	MASTER SITE PLAN		KHA PROJECT 148-400080	DATE AUGUST 2022	SCALE AS SHOWN	DESIGNED BY EMD	DRAWN BY EMD	CHECKED BY EMD	DATE 8/12/2022	EDWARD M. DEAN, PLA FLORIDA LICENSE NUMBER LA 6667269		30% PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)	No. _____ REVISIONS _____ DATE _____ BY _____
	SHEET NUMBER C-200												

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PAVEMENT LEGEND

SYMBOL	DESCRIPTION	DETAIL
	ASPHALT PAVEMENT SPECIFICATION TO BE DETERMINED	TBD
	CONCRETE PAVEMENT SPECIFICATION TO BE DETERMINED	TBD
	CONCRETE PAVEMENT ON GRADE SIDEWALK CONSTRUCTED ON GRADE WITHIN DRIP LINE OF EXISTING TREES.	TBD
	BOARDWALK SPECIFICATION TO BE DETERMINED	TBD
	ARTIFICIAL TURF PLAY SURFACING SPECIFICATION TO BE DETERMINED	TBD
	ORGANIC MULCH SPECIFICATION TO BE DETERMINED	TBD
	CRUSHED SHELL SPECIFICATION TO BE DETERMINED	TBD
	PEDESTRIAN PAVERS SPECIFICATION TO BE DETERMINED	TBD

NOTE: ALL QUANTITIES PROVIDED FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES BASED ON PLANS AND FIELD CONDITIONS.

JOINTING LEGEND

SYMBOL	DESCRIPTION	DETAIL
	SAWCUT JOINT	TBD
	CONSTRUCTION JOINT	TBD

- ### NOTES
- ALL DIMENSIONS MEASURED TO FACE OF CURB, UNLESS OTHERWISE INDICATED.
 - BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
 - REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
 - RADI ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3-FEET, TYPICAL.
 - REFER TO ARCHITECTURAL PLANS FOR MONUMENT SIGN DETAILS. SEE MEP PLANS FOR SITE ELECTRICAL DRAWINGS.
 - ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.
 - ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT INDEX.

GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

GRAPHIC SCALE IN FEET
 0 10 20 40

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KHA PROJECT
148-400080

DATE
AUGUST 2022

SCALE AS SHOWN

DESIGNED BY EMD

DRAWN BY

CHECKED BY EMD

DATE: 8/12/2022

SITE PLAN

PARRISH COMMUNITY PARK
 PREPARED FOR
 MANATEE COUNTY

FLORIDA
 MANATEE COUNTY

SHEET NUMBER
C-201

REVISIONS

DATE

BY

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: C-202 SITE PLAN. August 12, 2022 10:27:27am. K:\SAR_uEG\148400080 - Parrish Community Park\CAD\PlanSheets\C-201 - SITE PLAN.dwg
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PAVEMENT LEGEND

SYMBOL	DESCRIPTION	DETAIL
	ASPHALT PAVEMENT SPECIFICATION TO BE DETERMINED	TBD
	CONCRETE PAVEMENT SPECIFICATION TO BE DETERMINED	TBD
	CONCRETE PAVEMENT ON GRADE SIDEWALK CONSTRUCTED ON GRADE WITHIN DRIP LINE OF EXISTING TREES.	TBD
	BOARDWALK SPECIFICATION TO BE DETERMINED	TBD
	ARTIFICIAL TURF PLAY SURFACING SPECIFICATION TO BE DETERMINED	TBD
	ORGANIC MULCH SPECIFICATION TO BE DETERMINED	TBD
	CRUSHED SHELL SPECIFICATION TO BE DETERMINED	TBD
	PEDESTRIAN PAVERS SPECIFICATION TO BE DETERMINED	TBD

NOTE: ALL QUANTITIES PROVIDED FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES BASED ON PLANS AND FIELD CONDITIONS.

JOINTING LEGEND

SYMBOL	DESCRIPTION	DETAIL
	SAWCUT JOINT	TBD
	CONSTRUCTION JOINT	TBD

- ### NOTES
- ALL DIMENSIONS MEASURED TO FACE OF CURB, UNLESS OTHERWISE INDICATED.
 - BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
 - REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
 - RADI ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3-FEET, TYPICAL.
 - REFER TO ARCHITECTURAL PLANS FOR MONUMENT SIGN DETAILS. SEE MEP PLANS FOR SITE ELECTRICAL DRAWINGS.
 - ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.
 - ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT INDEX.

GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE, WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

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 1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236
 PHONE: 941-579-7800
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

EDWARD M. DEAN, P.L.A.
 FLORIDA LICENSE NUMBER
 LA 6667269
 CHECKED BY: EMD DATE: 8/12/2022

SITE PLAN

KHA PROJECT
148-400080

DATE
AUGUST 2022

SCALE AS SHOWN

DESIGNED BY EMD

DRAWN BY _____

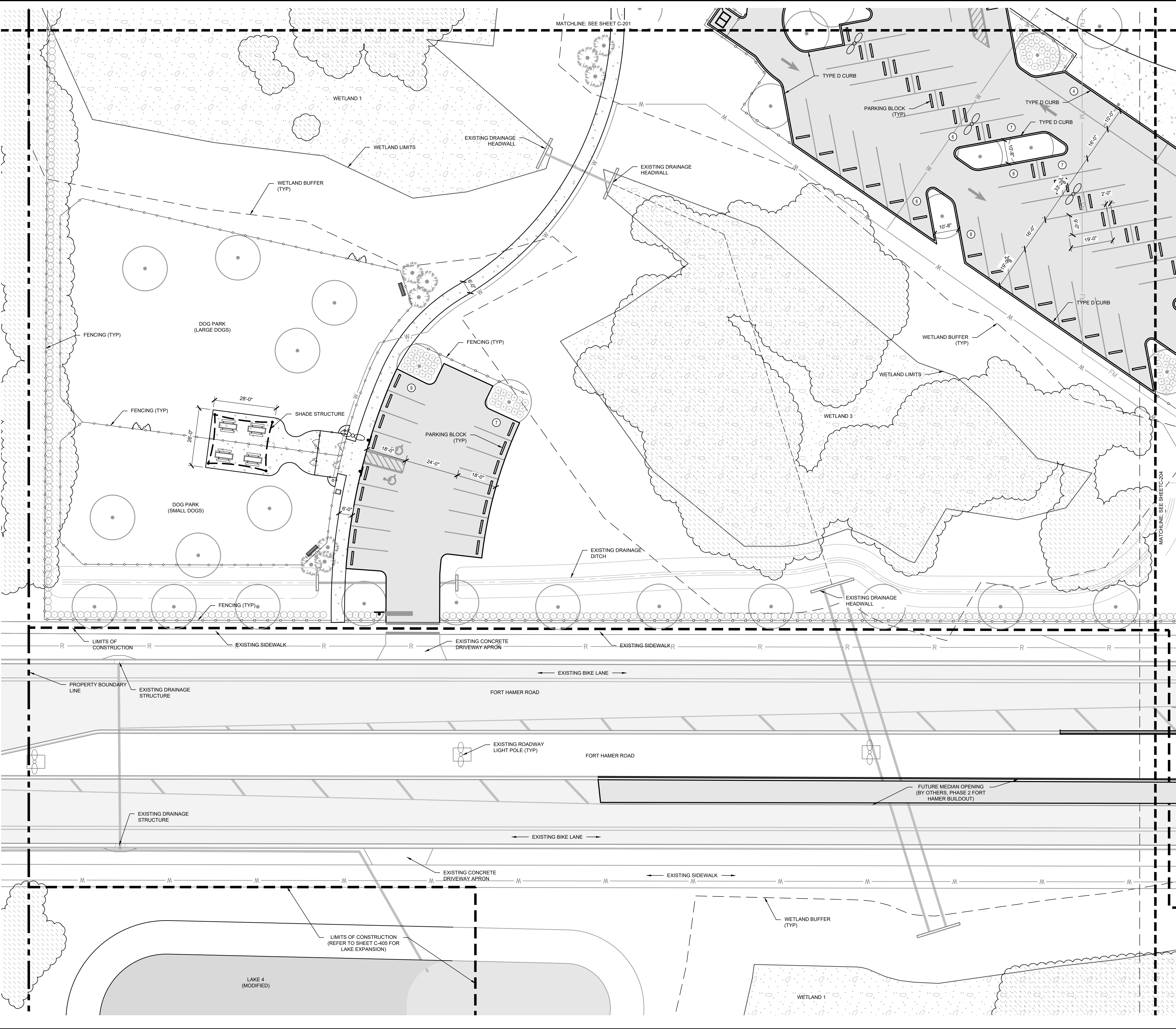
PARRISH COMMUNITY PARK

PREPARED FOR
MANATEE COUNTY

MANATEE COUNTY FLORIDA

SHEET NUMBER
C-202

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: C-203 SITE PLAN. August 12, 2022 10:27:42am. K:\SAR-uEG\148400080 - Parrish Community Park\CAD\PlanSheets\C-201 - SITE PLAN.dwg
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[Pattern]	ORGANIC MULCH SPECIFICATION TO BE DETERMINED	TBD
[Pattern]	CRUSHED SHELL SPECIFICATION TO BE DETERMINED	TBD
[Pattern]	PEDESTRIAN PAVERS SPECIFICATION TO BE DETERMINED	TBD

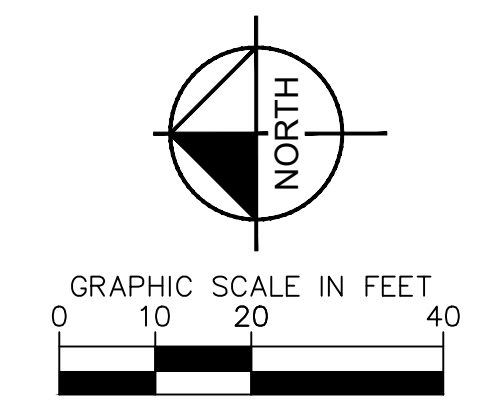
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JOINTING LEGEND

SYMBOL	DESCRIPTION	DETAIL
[Symbol]	SAWCUT JOINT	TBD
[Symbol]	CONSTRUCTION JOINT	TBD

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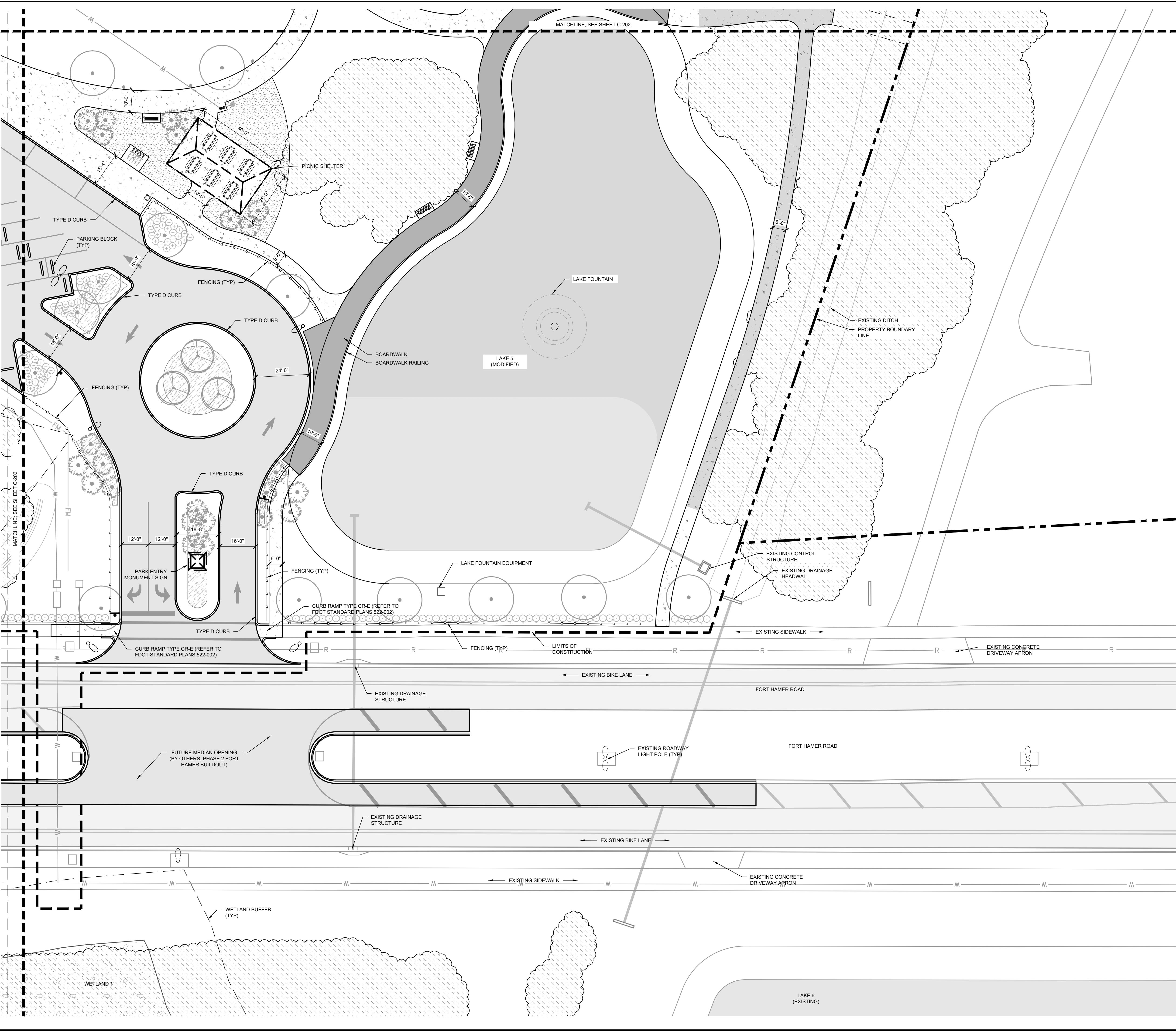
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 PHONE: 941-579-7800
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RHA PROJECT 148-400080
 DATE AUGUST 2022
 SCALE AS SHOWN
 DESIGNED BY EMD
 DRAWN BY
 CHECKED BY EMD
 DATE 8/12/2022

EDWARD M. DEAN, P.L.A.
 FLORIDA LICENSE NUMBER LA 6667269

SITE PLAN
PARRISH COMMUNITY PARK
 PREPARED FOR
MANATEE COUNTY
 MANATEE COUNTY FLORIDA
 SHEET NUMBER
C-203

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park Layout: C-204 SITE PLAN August 12, 2022 10:27:52am K:\SAR_uEG\148400080 - Parrish Community Park\CAD\PlanSheets\C-201 - SITE PLAN.dwg
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JOINTING LEGEND

SYMBOL	DESCRIPTION	DETAIL
[Line Style]	SAWCUT JOINT	TBD
[Line Style]	CONSTRUCTION JOINT	TBD

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NORTH

GRAPHIC SCALE IN FEET
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EDWARD M. DEAN, P.L.A.
 FLORIDA LICENSE NUMBER
 LA 6667269
 CHECKED BY: EMD DATE: 8/12/2022

RHA PROJECT
148-400080

DATE
AUGUST 2022

SCALE
AS SHOWN

DESIGNED BY
EMD

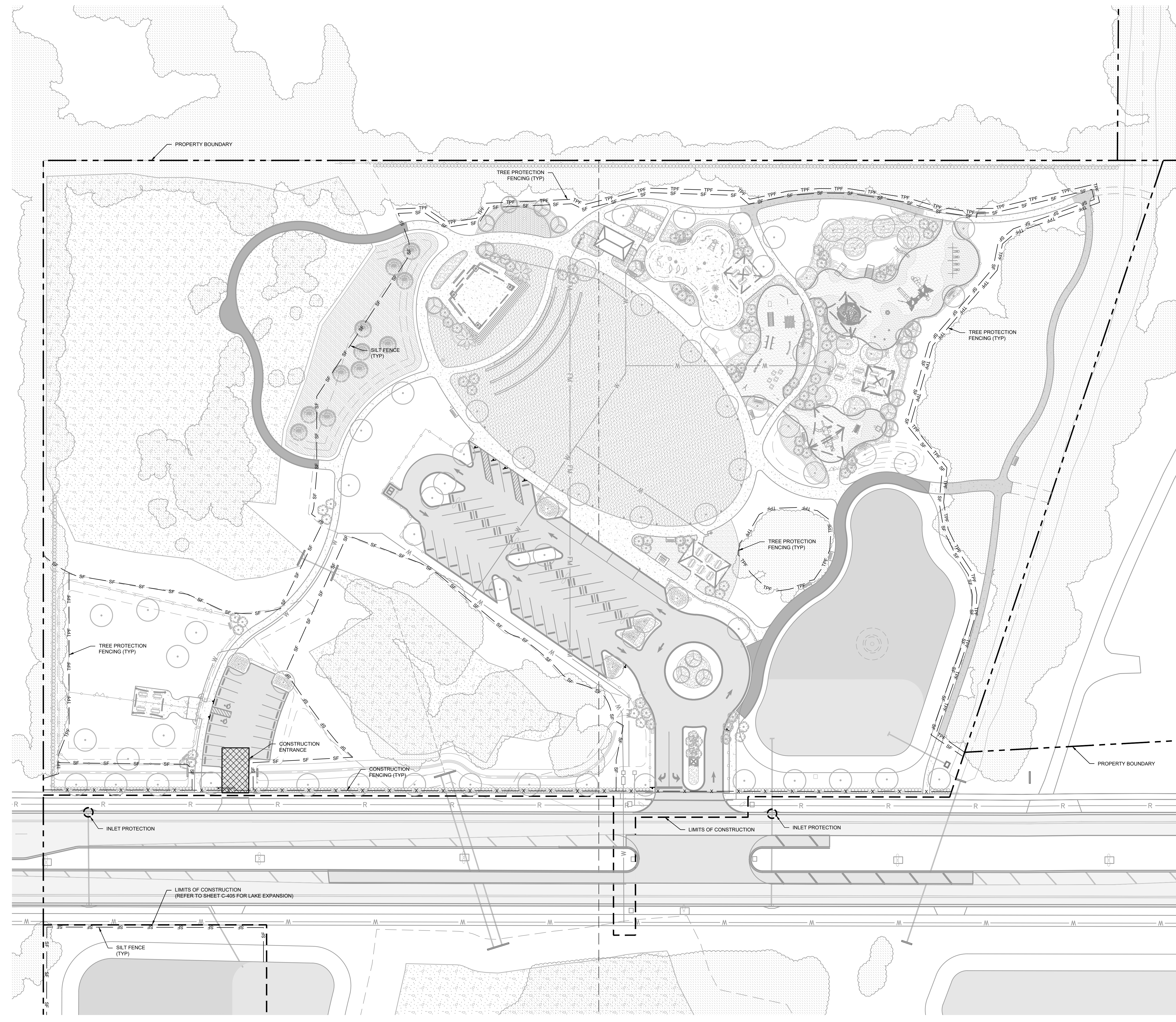
DRAWN BY
EMD

PARRISH COMMUNITY PARK
PREPARED FOR
MANATEE COUNTY
MANATEE COUNTY FLORIDA

SITE PLAN

SHEET NUMBER
C-204

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: C-300 BEST MANAGEMENT PRACTICES. August 12, 2022. 10:28:33am. K:\SAR_LRG\148400000 - Parrish Community Park\CAD\PlanSheets\C-300 - BEST MANAGEMENT PRACTICES.dwg
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SYMBOL	DESCRIPTION	DETAIL
— x — x —	CONSTRUCTION FENCING SPECIFICATION TO BE DETERMINED	TBD
[Hatched Box]	CONSTRUCTION ENTRANCE SPECIFICATION TO BE DETERMINED	TBD
— SF — SF —	SILT FENCING SPECIFICATION TO BE DETERMINED	TBD
— TPF — TPF —	TREE PROTECTION FENCING SPECIFICATION TO BE DETERMINED	TBD
— TB — TB —	FLOATING TURBIDITY BARRIER SPECIFICATION TO BE DETERMINED	TBD
○	INLET PROTECTION SPECIFICATION TO BE DETERMINED	TBD

- NOTES**
- CONTRACTOR IS TO PROVIDE APPROVED EROSION CONTROL/SEDIMENTATION BARRIERS TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATERWAYS. IN ADDITION, CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL AS NEEDED ON THE GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT THE SITE.
 - CONTRACTOR TO INSTALL SAFETY FENCE AND PROPERLY SIGNMARK AROUND WORK AND STAGING ARE TO PREVENT PEDESTRIAN TRAFFIC FROM ENTERING.
 - CONTRACTOR SHALL PROVIDE ADEQUATE MAINTENANCE OF TRAFFIC AROUND WORK AND STAGING AREA.
 - CONTRACTOR TO COORDINATE WITH OWNER OF LOCATION OF CONSTRUCTION ENTRANCE AND TO INSTALL PER DETAIL ON SHEET C-203.

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KHA PROJECT: 148-400080
 DATE: AUGUST 2022
 SCALE: AS SHOWN
 DESIGNED BY: EMD
 DRAWN BY: EMD
 CHECKED BY: EMD
 DATE: 8/12/2022

BEST MANAGEMENT PRACTICES

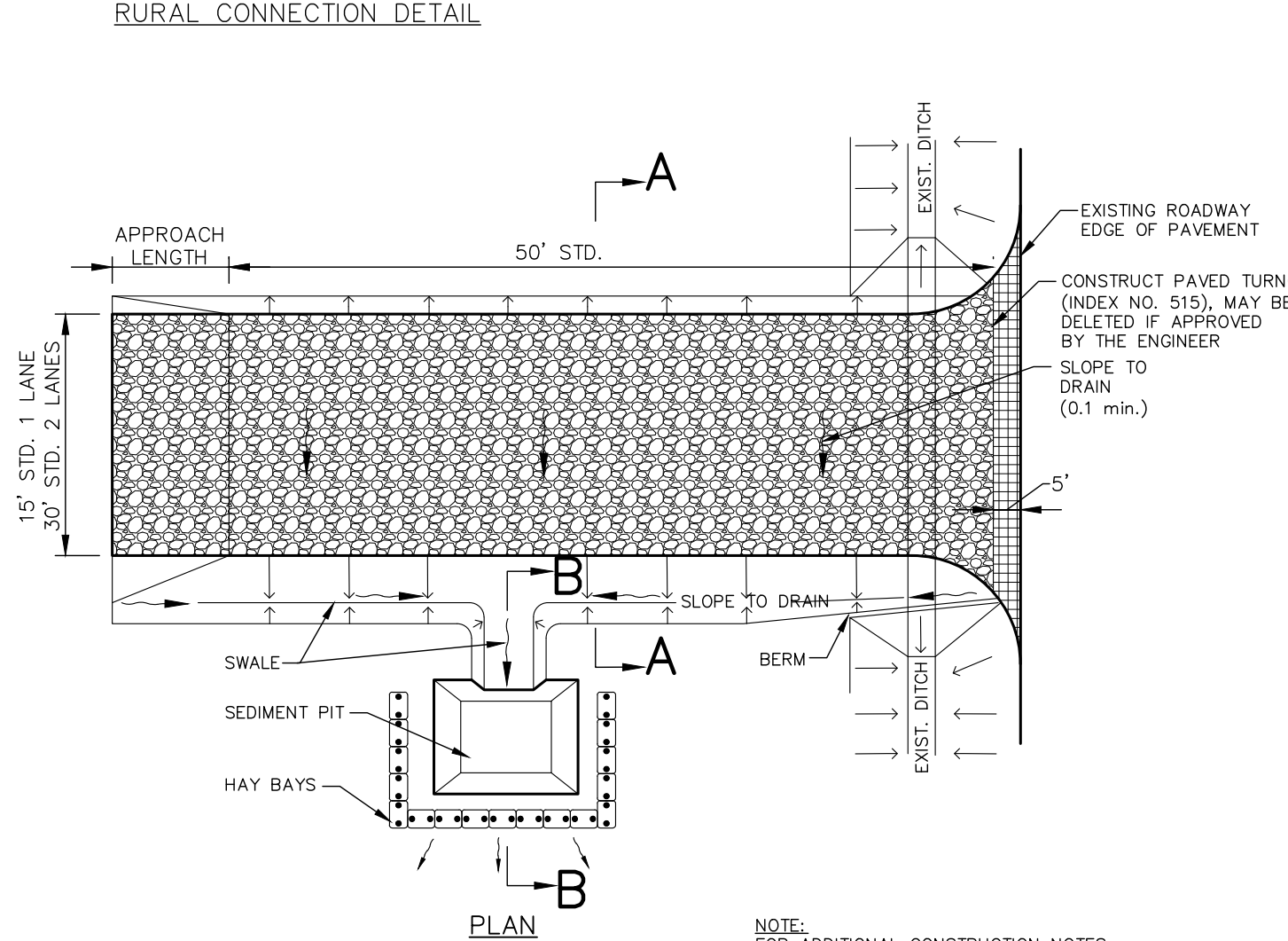
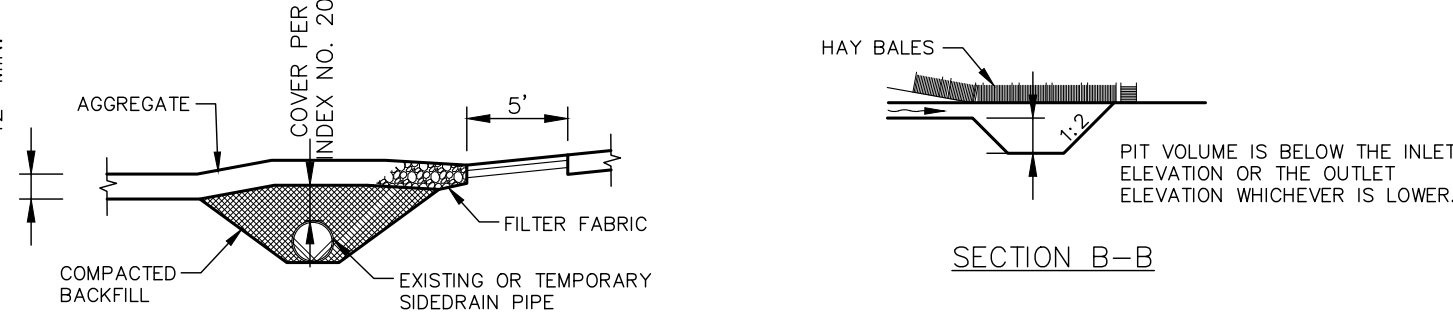
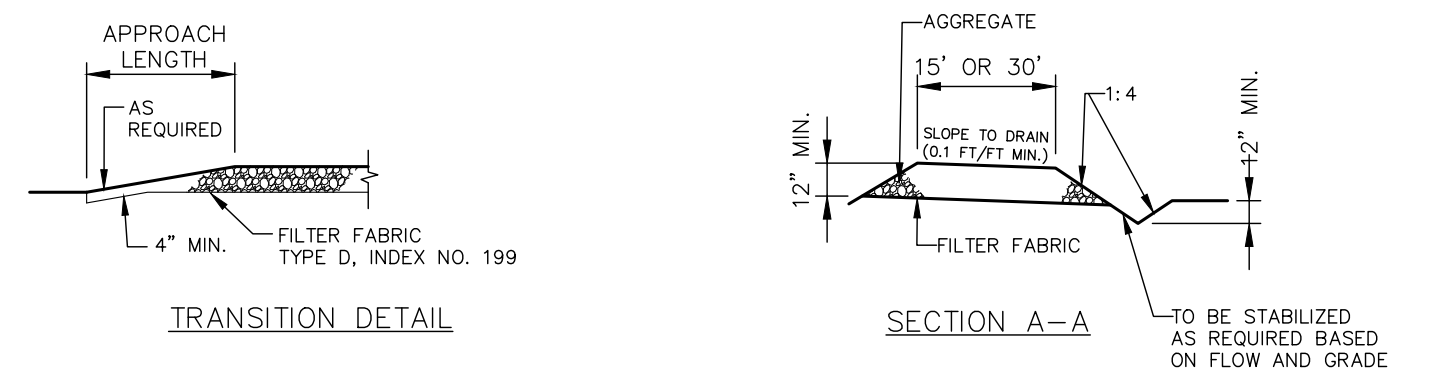
PARRISH COMMUNITY PARK
 PREPARED FOR
MANATEE COUNTY
 FLORIDA

SHEET NUMBER
C-300

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- NOTES:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH GRASS STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
 N.T.S.

FIGURE 1

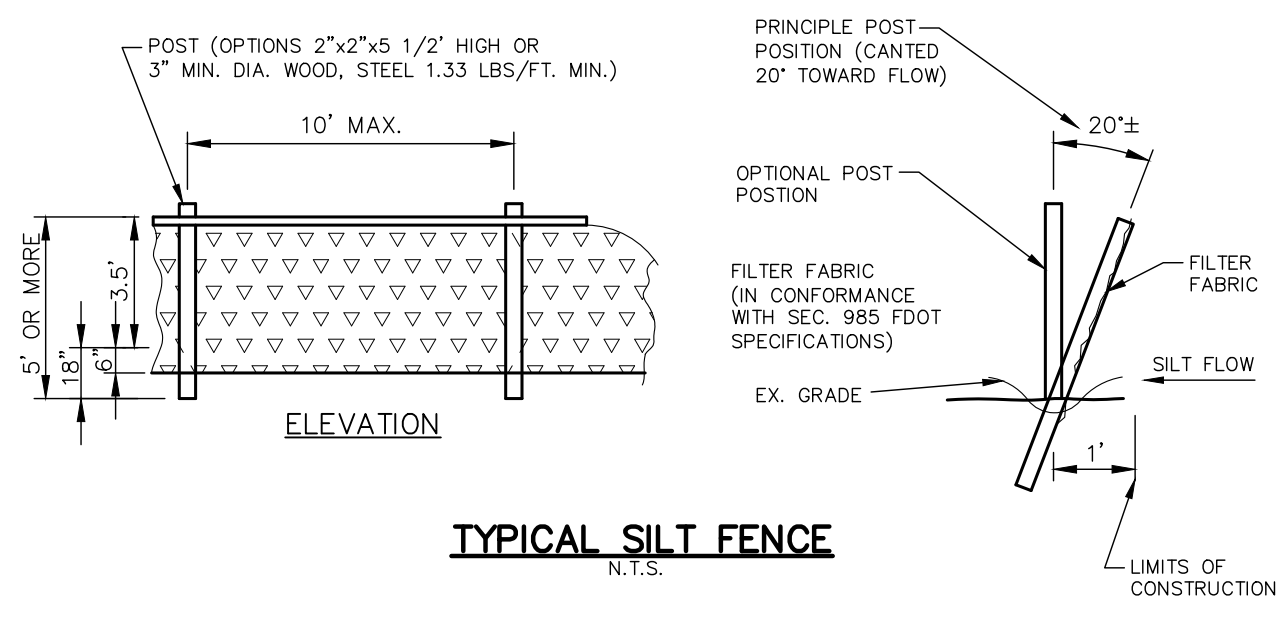


FIGURE 2

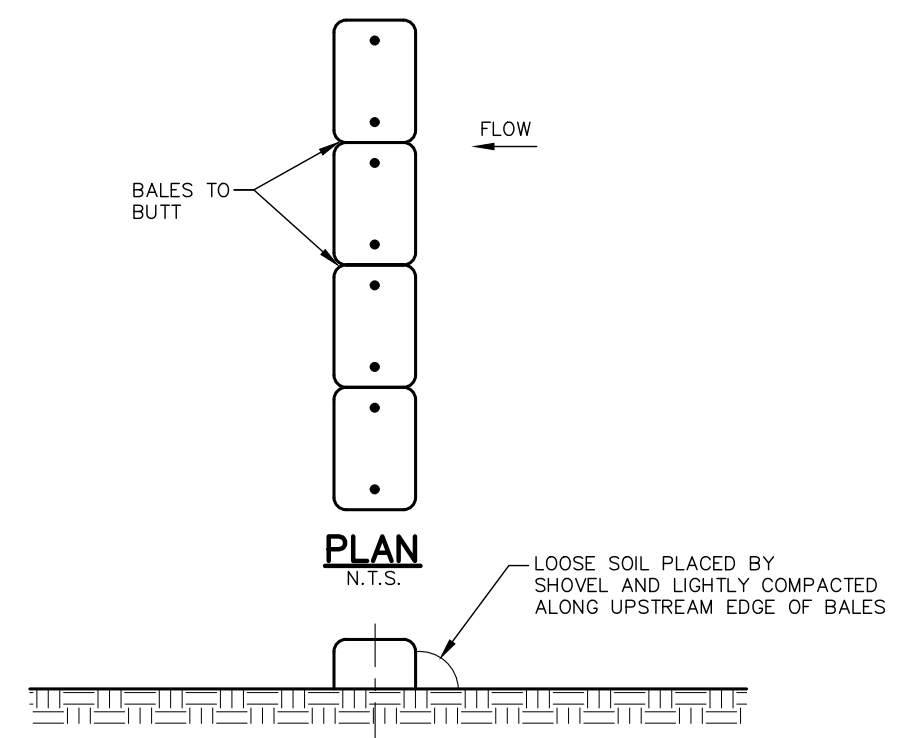


FIGURE 3

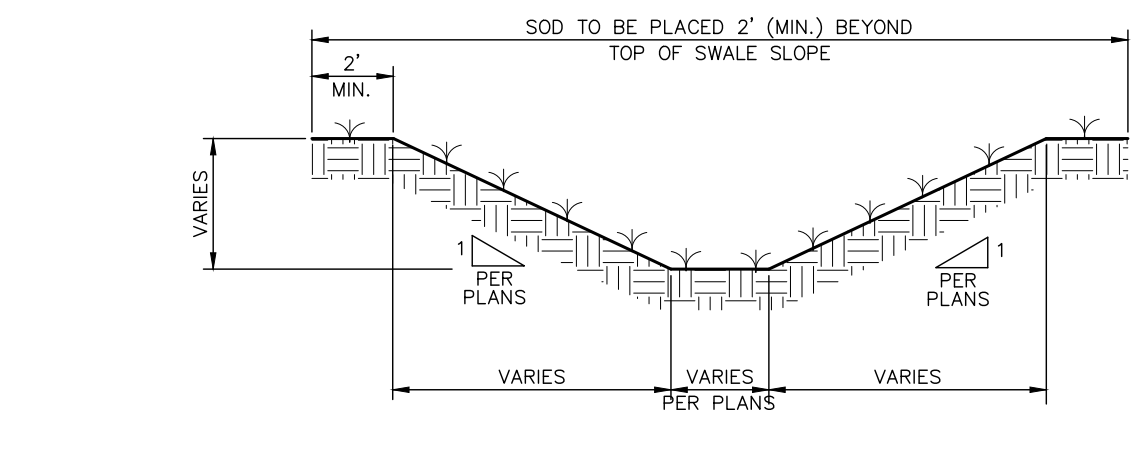


FIGURE 5

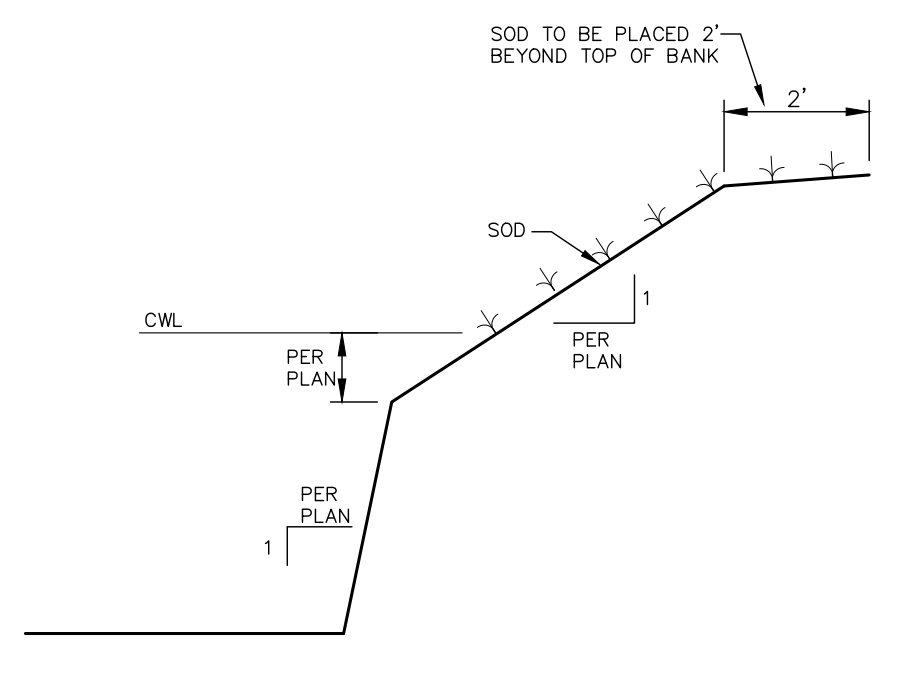


FIGURE 6

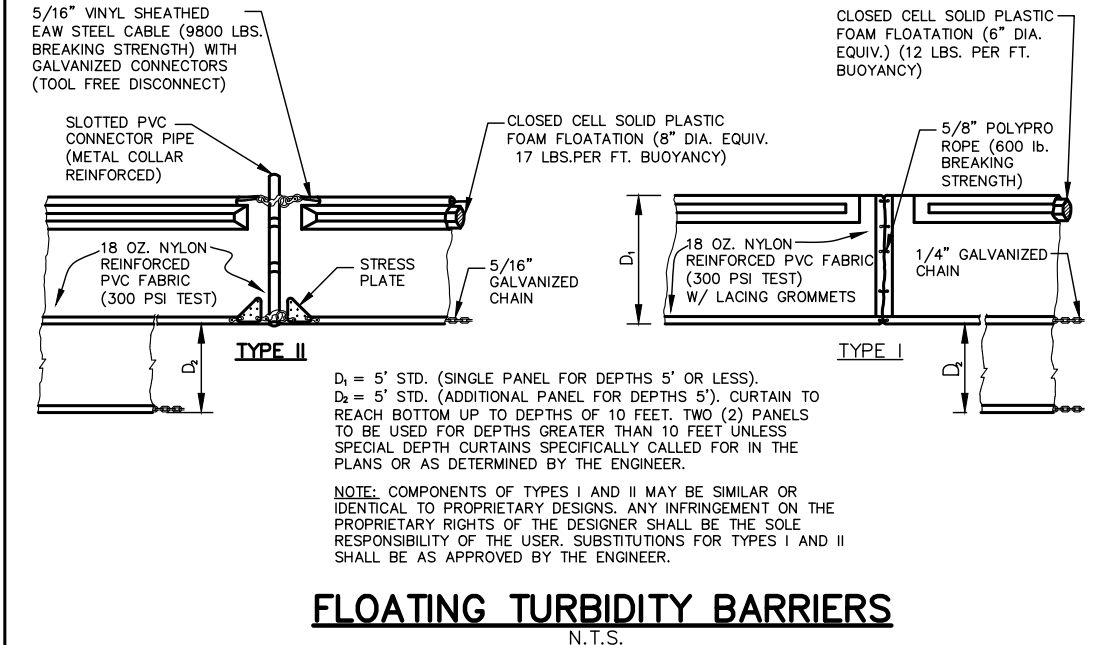


FIGURE 4

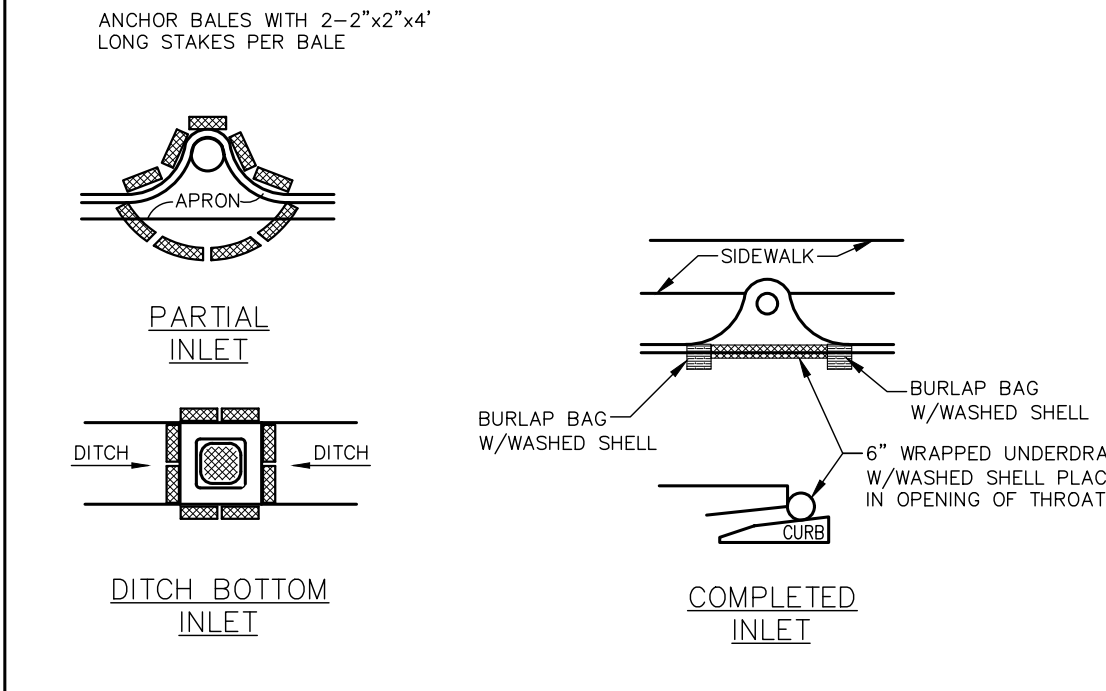


FIGURE 7

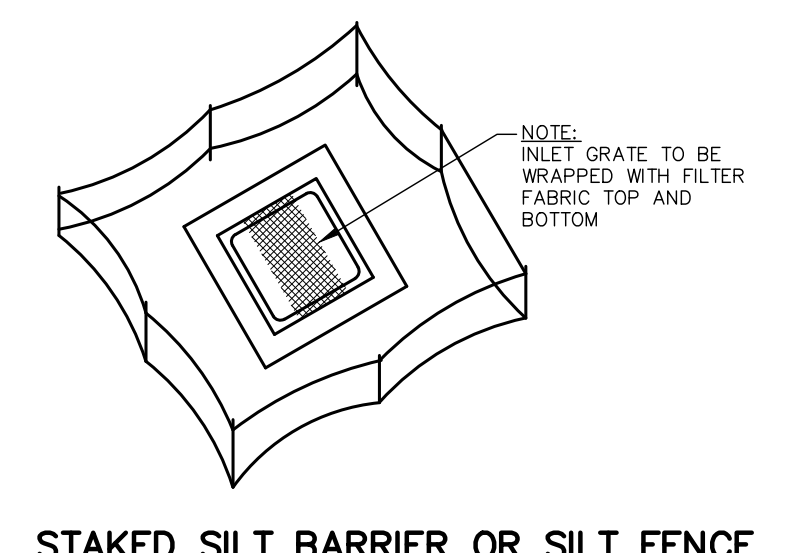


FIGURE 8

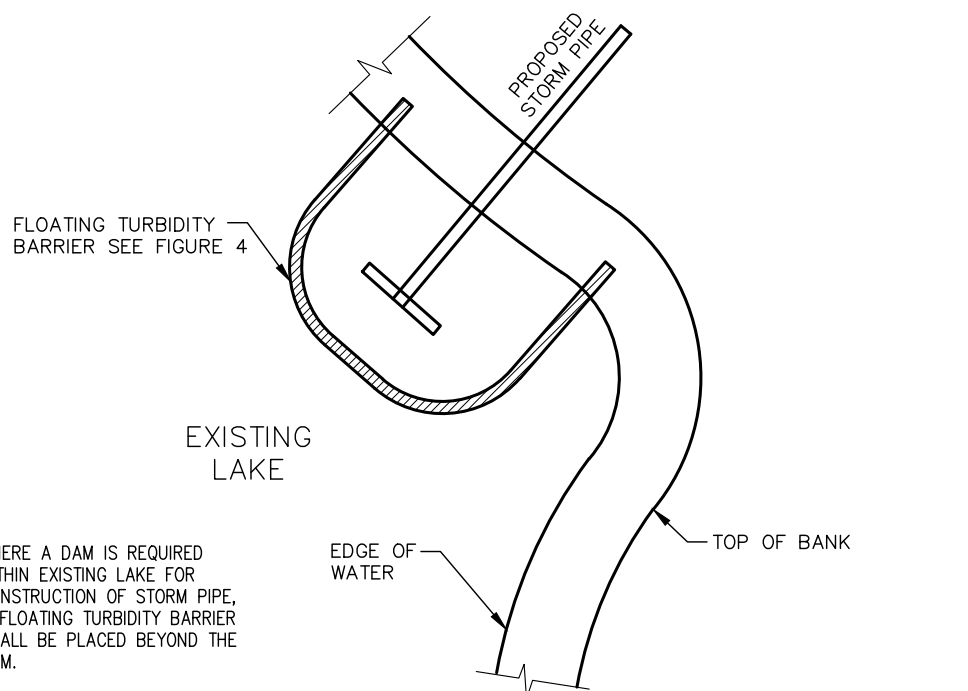


FIGURE 9

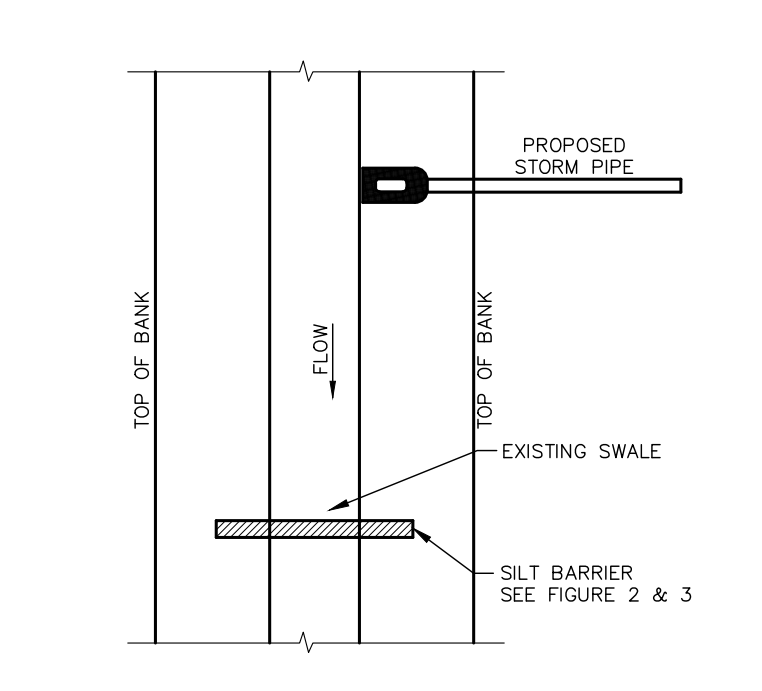


FIGURE 10

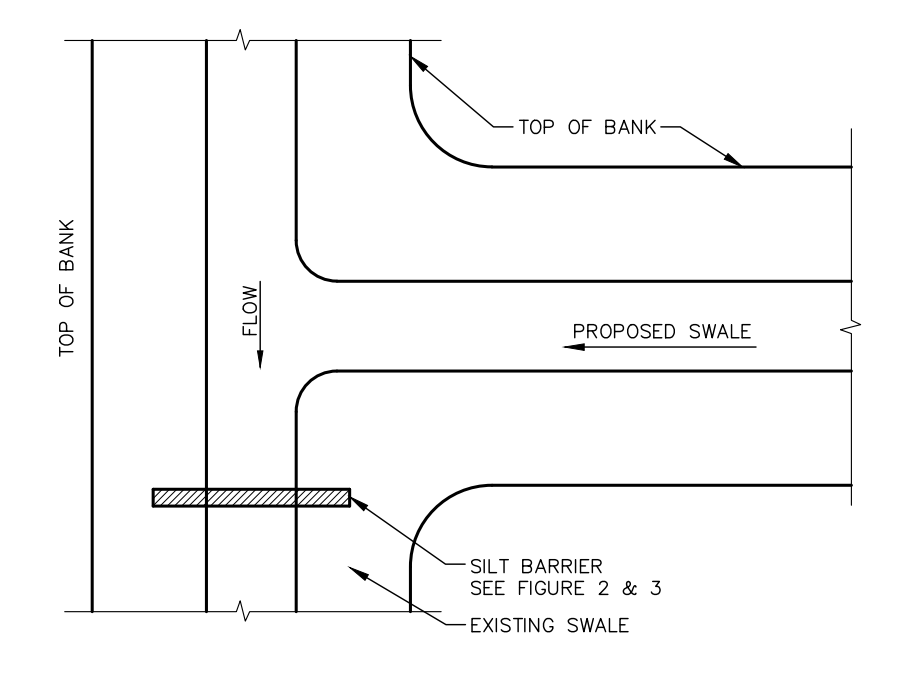


FIGURE 11

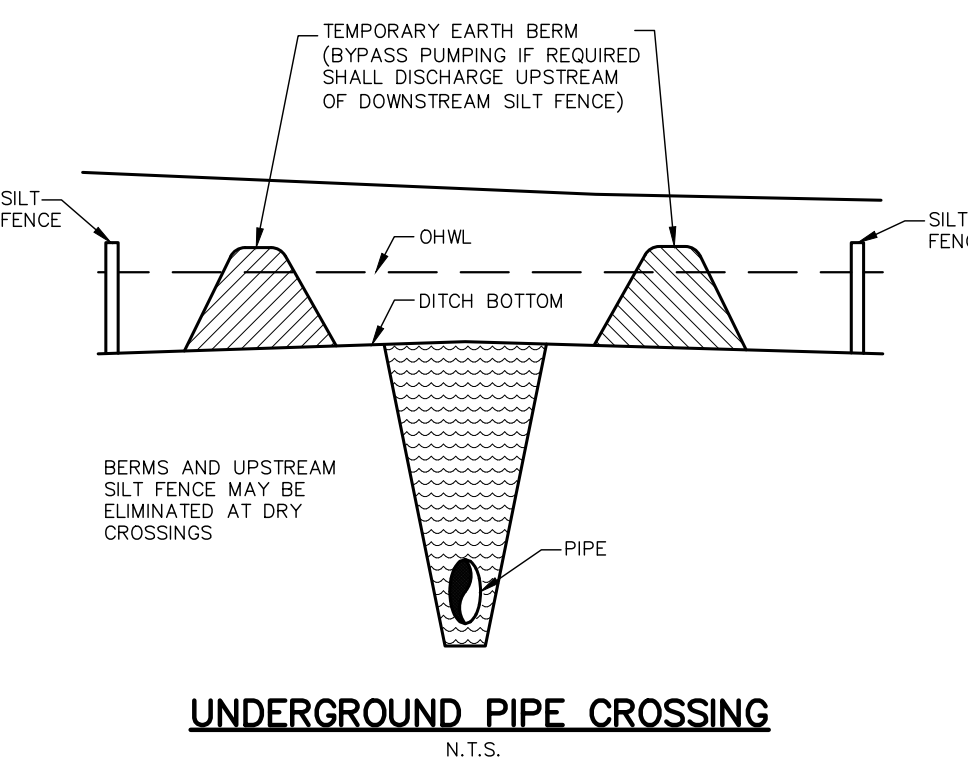


FIGURE 12

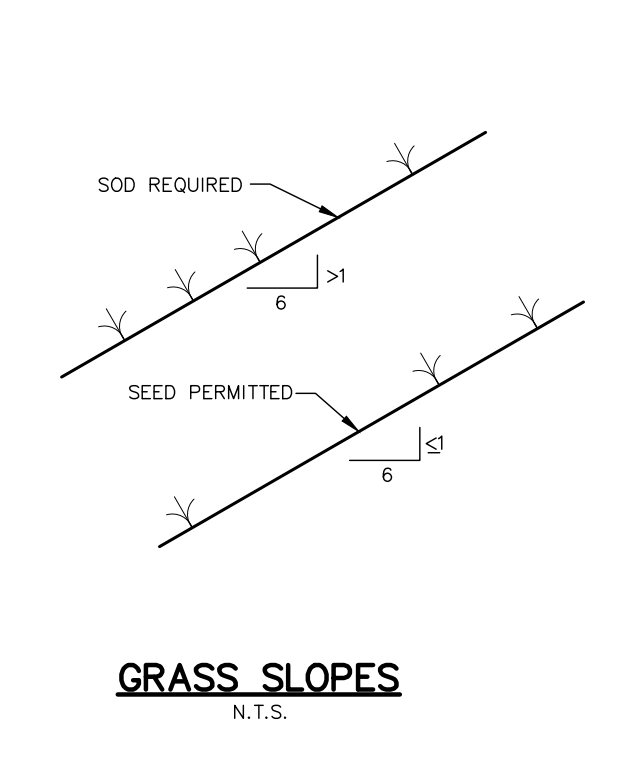


FIGURE 13

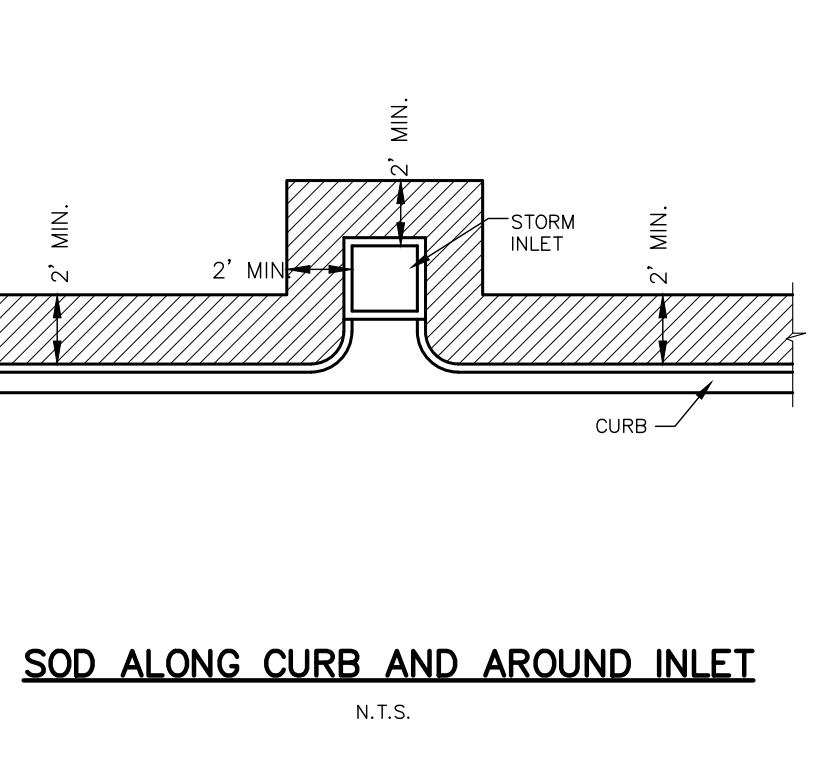


FIGURE 14

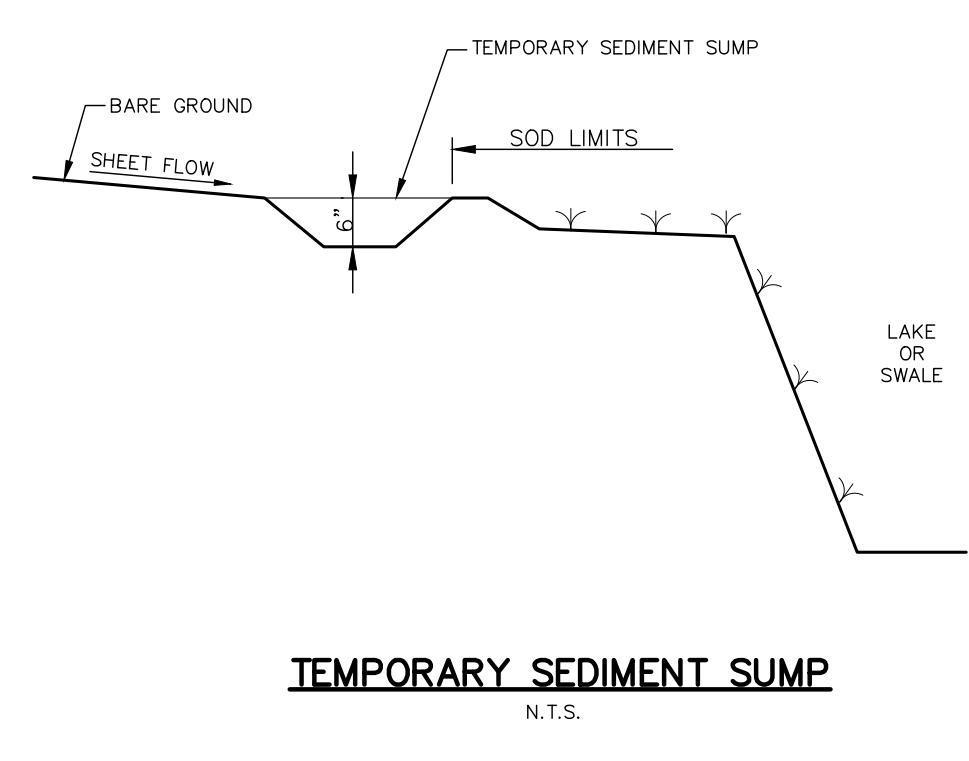


FIGURE 15

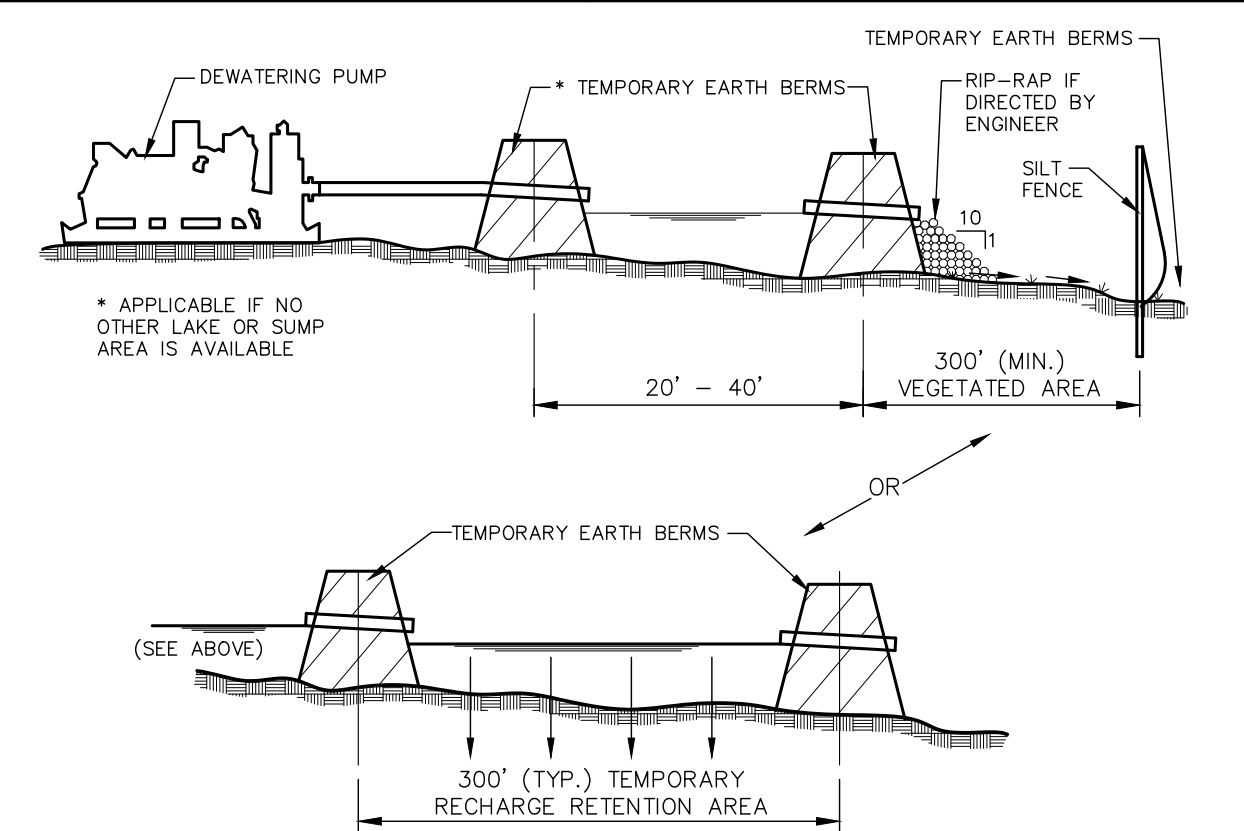


FIGURE 16

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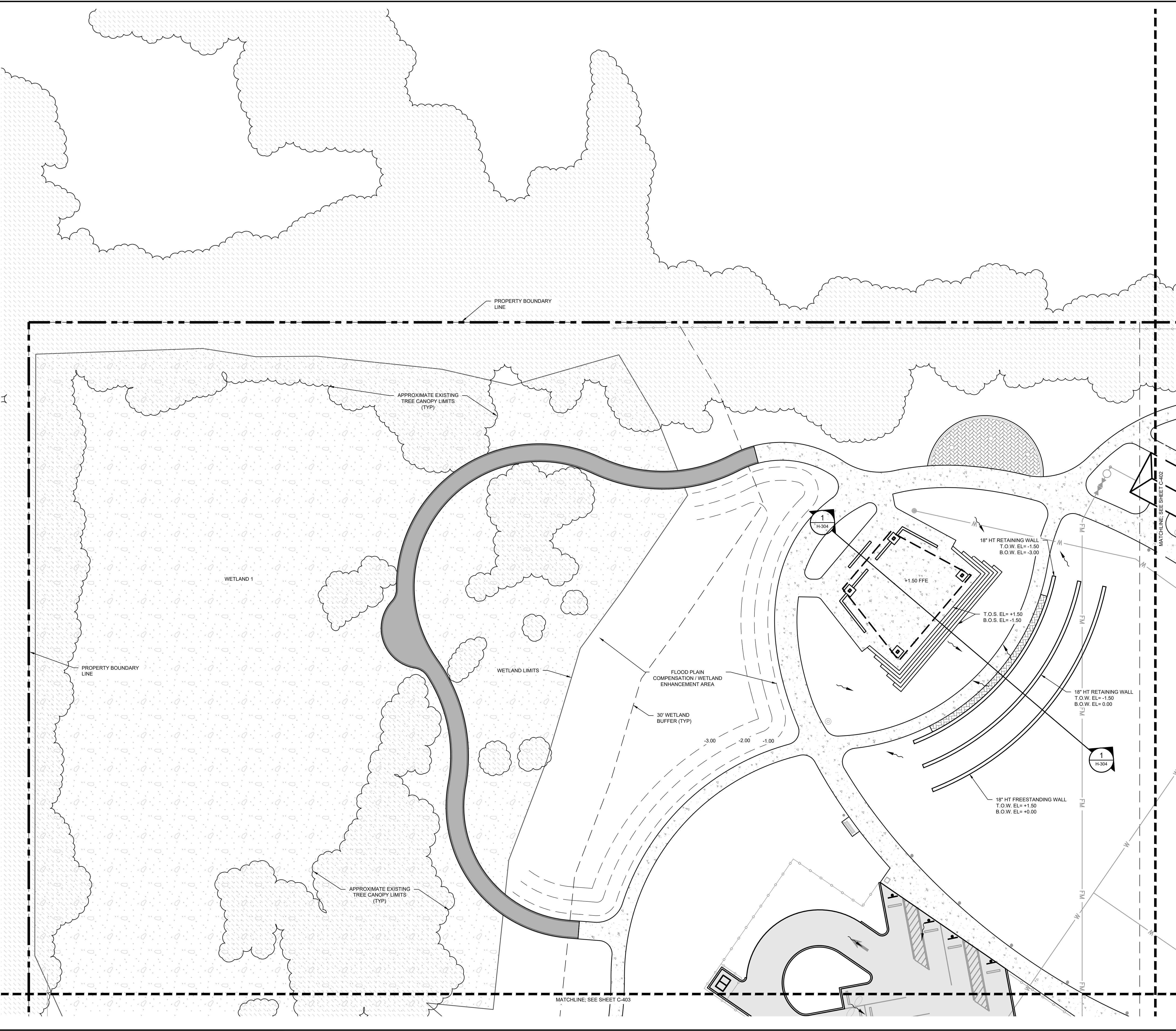
KHA PROJECT 148-400080	EDWARD M. DEAN, P.E.
DATE AUGUST 2022	FLORIDA LICENSE NUMBER LA 6667269
SCALE AS SHOWN	REGISTRY NO. 696
DESIGNED BY EMD	CHECKED BY EMD
DRAWN BY	DATE 8/12/2022

BEST MANAGEMENT PRACTICES DETAILS

PARRISH COMMUNITY PARK
 PREPARED FOR MANATEE COUNTY
 MANATEE COUNTY FLORIDA

CALL 2 WORKING DAYS BEFORE YOU DIG
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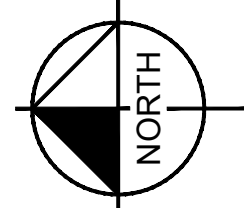
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GRADING LEGEND

SYMBOL	DESCRIPTION
	EXISTING MAJOR CONTOUR LINE
	EXISTING MINOR CONTOUR LINE
	PROPOSED CONTOUR LINE
	PROPOSED WATER LEVEL LINE
	PROJECT BOUNDARY
	EXISTING SPOT ELEVATION
	PROPOSED PAVED SPOT ELEVATION
	PROPOSED NON PAVED ELEVATION
	FLOW DIRECTION
	MATCH EXISTING

- ### NOTES
- STORM PIPING SHALL BE AS FOLLOWS:
 - HDPE MEETING AASHTO M252, M294, AND F2906
 - LAI D AT A MINIMUM SLOPE OF 0.2% IN THE DIRECTION OF FLOW
 - INSTALLED WITH MIN. 1" OF COVER
 - JOINTS UNDER STORM PIPE SECTION SHALL BE WATER TIGHT
 - ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NGVD88).
 - ALL HANDICAP RAMPS (CR) SHALL BE CONSTRUCTED WITH TACTILE SURFACES. SEE DETAILS PER F.D.O.T. INDEX NO. 522-022
 - ALL PROPOSED SIDEWALKS ARE TO BE CONSTRUCTED WITH A MAXIMUM OF 2% CROSS-SLOPE.

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 REGISTRY NO. 696

KHA PROJECT
 148-400080

DATE
 AUGUST 2022

SCALE
 AS SHOWN

DESIGNED BY
 EMD

DRAWN BY

CHECKED BY
 EMD

DATE
 8/12/2022

PARRISH
 COMMUNITY PARK
 PREPARED FOR
 MANATEE COUNTY

FLORIDA

PAVING GRADING
 AND DRAINAGE PLAN

SHEET NUMBER
C-401

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: C-402 PAVING GRADING AND DRAINAGE PLAN. August 12, 2022. 10:29:23am. K:\SAR_URG\18400080 - Parrish Community Park\CAD Plans\Sheets\C-401 - PAVING GRADING AND DRAINAGE PLAN.dwg
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PAVEMENT LEGEND

SYMBOL	DESCRIPTION	DETAIL
	ASPHALT PAVEMENT SPECIFICATION TO BE DETERMINED	TBD
	CONCRETE PAVEMENT SPECIFICATION TO BE DETERMINED	TBD
	CONCRETE PAVEMENT ON GRADE SIDEWALK CONSTRUCTED ON GRADE WITHIN DRIP LINE OF EXISTING TREES.	TBD
	BOARDWALK SPECIFICATION TO BE DETERMINED	TBD
	ARTIFICIAL TURF PLAY SURFACING SPECIFICATION TO BE DETERMINED	TBD
	ORGANIC MULCH SPECIFICATION TO BE DETERMINED	TBD
	CRUSHED SHELL SPECIFICATION TO BE DETERMINED	TBD
	PEDESTRIAN PAVERS SPECIFICATION TO BE DETERMINED	TBD

NOTE: ALL QUANTITIES PROVIDED FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES BASED ON PLANS AND FIELD CONDITIONS.

GRADING LEGEND

SYMBOL	DESCRIPTION
	EXISTING MAJOR CONTOUR LINE
	EXISTING MINOR CONTOUR LINE
	PROPOSED CONTOUR LINE
	PROPOSED WATER LEVEL LINE
	PROJECT BOUNDARY
	EXISTING SPOT ELEVATION
	PROPOSED PAVED SPOT ELEVATION
	PROPOSED NON PAVED ELEVATION
	FLOW DIRECTION
	M.E. MATCH EXISTING

- ### NOTES
- STORM PIPING SHALL BE AS FOLLOWS:
 - HDFE MEETING AASHTO M252, M294, AND F2306
 - LAI D AT A MINIMUM SLOPE OF 0.2% IN THE DIRECTION OF FLOW
 - INSTALLED WITH MIN. 1' OF COVER
 - JOINTS UNDER STORM PIPE SECTION SHALL BE WATER TIGHT
 - ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NGVD88).
 - ALL HANDICAP RAMPS (CR) SHALL BE CONSTRUCTED WITH TACTILE SURFACES. SEE DETAILS PER F.D.O.T. INDEX NO. 522-022
 - ALL PROPOSED SIDEWALKS ARE TO BE CONSTRUCTED WITH A MAXIMUM OF 2% CROSS-SLOPE.

GROUNDWATER / DEWATERING NOTE:
 THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE, WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

GRAPHIC SCALE IN FEET
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No.	REVISIONS	DATE	BY

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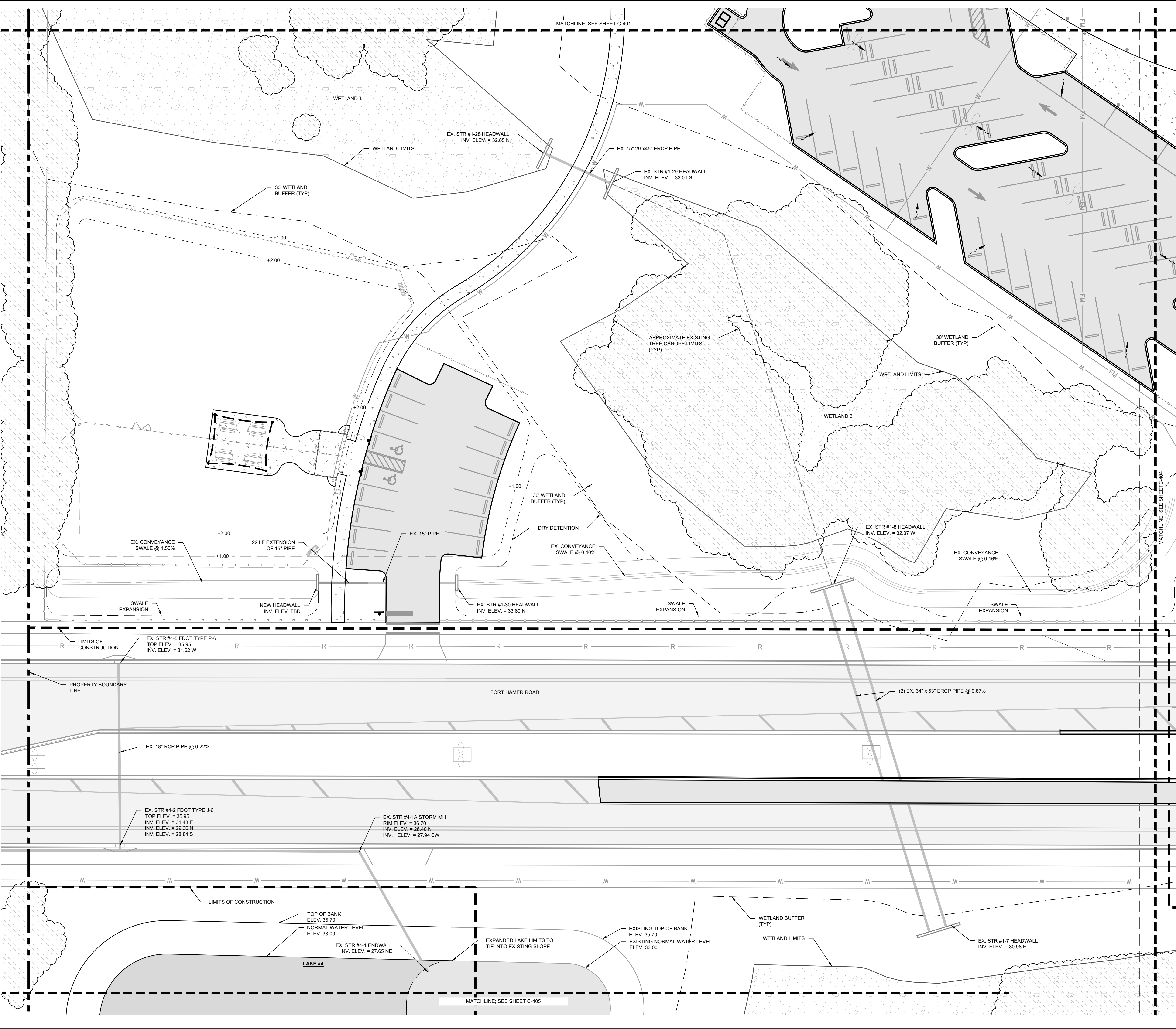
KHA PROJECT 148-400080	EDWARD M. DEAN, PLA
DATE AUGUST 2022	FLORIDA LICENSE NUMBER LA 6667269
SCALE AS SHOWN	WWW.KIMLEY-HORN.COM
DESIGNED BY EMD	REGISTRY NO. 696
DRAWN BY	CHECKED BY EMD
DATE: 8/12/2022	

PAVING GRADING AND DRAINAGE PLAN

**PARRISH
COMMUNITY PARK**
 PREPARED FOR
MANATEE COUNTY
 FLORIDA

SHEET NUMBER
C-402

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: C-403 PAVING GRADING AND DRAINAGE PLAN. August 12, 2022. 10:29:37am. K:\SAR_URG\148400080 - Parrish Community Park\CAD Plans\Sheets\C-401 - PAVING GRADING AND DRAINAGE PLAN.dwg
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PAVEMENT LEGEND

SYMBOL	DESCRIPTION	DETAIL
[Symbol]	ASPHALT PAVEMENT SPECIFICATION TO BE DETERMINED	TBD
[Symbol]	CONCRETE PAVEMENT SPECIFICATION TO BE DETERMINED	TBD
[Symbol]	CONCRETE PAVEMENT ON GRADE SIDEWALK CONSTRUCTED ON GRADE WITHIN DRIP LINE OF EXISTING TREES	TBD
[Symbol]	BOARDWALK SPECIFICATION TO BE DETERMINED	TBD
[Symbol]	ARTIFICIAL TURF PLAY SURFACING SPECIFICATION TO BE DETERMINED	TBD
[Symbol]	ORGANIC MULCH SPECIFICATION TO BE DETERMINED	TBD
[Symbol]	CRUSHED SHELL SPECIFICATION TO BE DETERMINED	TBD
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[Symbol]	PROPOSED CONTOUR LINE
[Symbol]	PROPOSED WATER LEVEL LINE
[Symbol]	PROJECT BOUNDARY
[Symbol]	EXISTING SPOT ELEVATION
[Symbol]	PROPOSED PAVED SPOT ELEVATION
[Symbol]	PROPOSED NON PAVED ELEVATION
[Symbol]	FLOW DIRECTION
[Symbol]	MATCH EXISTING

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 SCALE AS SHOWN
 DESIGNED BY EMD
 DRAWN BY
 CHECKED BY EMD DATE: 8/12/2022

REVISIONS
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KHA PROJECT 148-400080

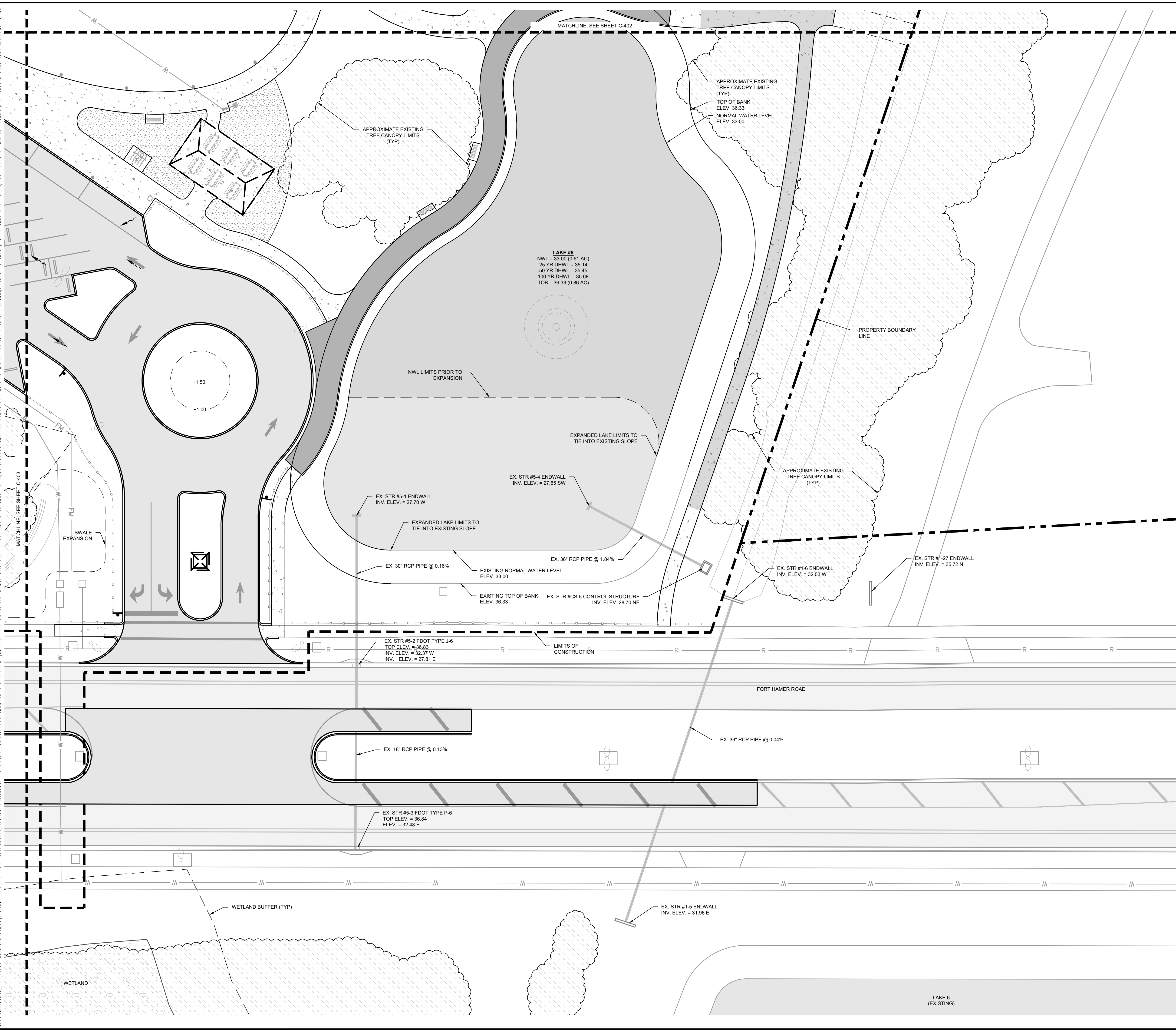
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PARRISH COMMUNITY PARK
 PREPARED FOR
 MANATEE COUNTY
 MANATEE COUNTY FLORIDA

PAVING GRADING AND DRAINAGE PLAN

SHEET NUMBER
C-403

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GRADING LEGEND

SYMBOL	DESCRIPTION
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	EXISTING MINOR CONTOUR LINE
	PROPOSED CONTOUR LINE
	PROPOSED WATER LEVEL LINE
	PROJECT BOUNDARY
	EXISTING SPOT ELEVATION
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NORTH

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KHA PROJECT
148-400080

PAVING GRADING AND DRAINAGE PLAN

MANATEE COUNTY

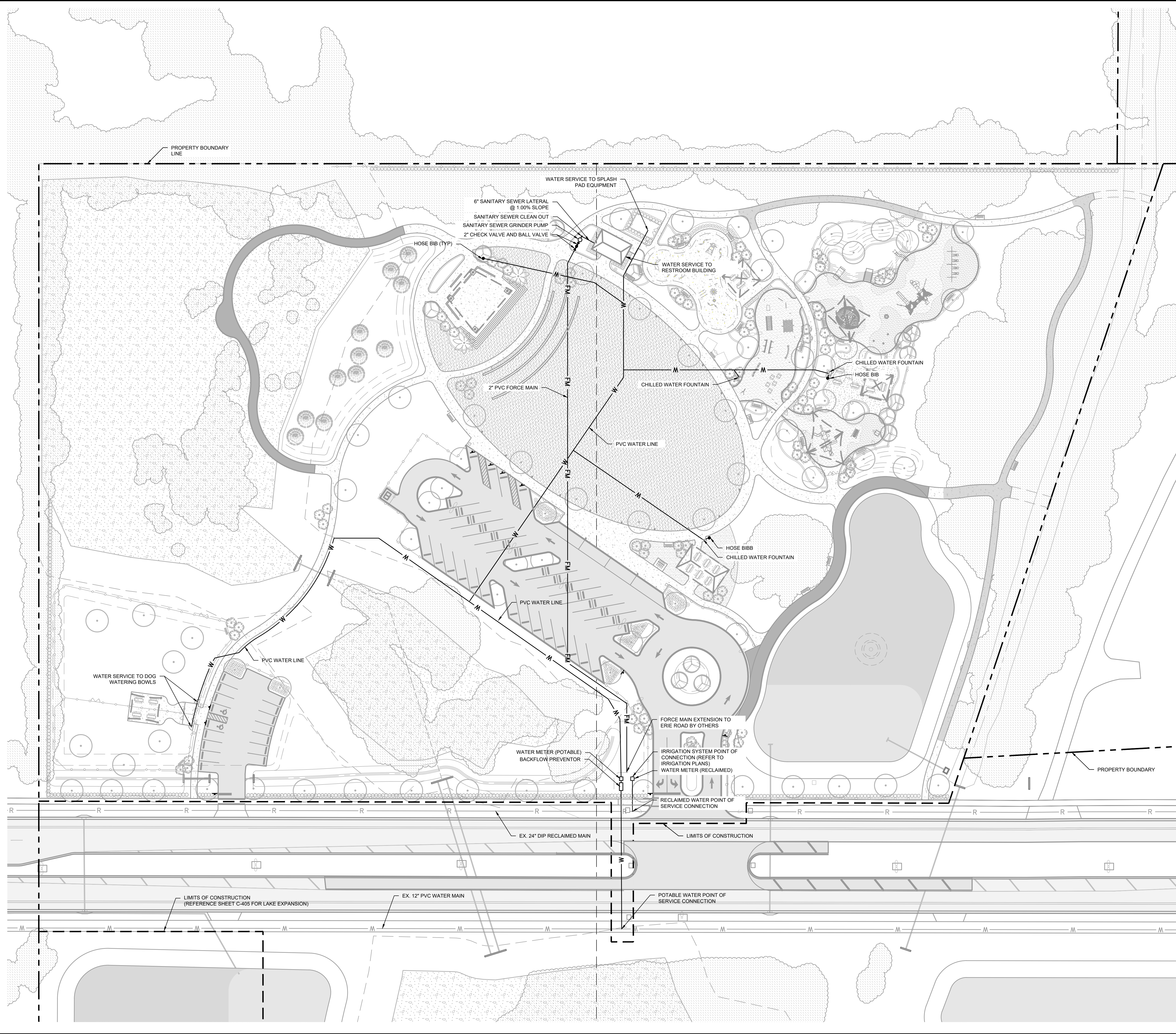
PARRISH COMMUNITY PARK
 PREPARED FOR
MANATEE COUNTY

FLORIDA

SHEET NUMBER
C-404

DATE

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: C-500 UTILITY PLAN - August 12, 2022 10:30:36am. K:\SAR\JRG\148400080 - Parrish Community Park\CAD\PlanSheets\C-500 - MASTER UTILITY PLAN.dwg
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UTILITY LEGEND

SYMBOL	DESCRIPTION
	REDUCER
	PROPOSED PLUG OR CAP
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED WATER SERVICE
	PROPOSED REUSE SERVICE
	PROPOSED SINGLE SEWER SERVICE
	GATE VALVE OR PLUG VALVE
	BLOW-OFF ASSEMBLY
	AIR RELEASE VALVE
	DIRECTION OF FLOW
	PROPOSED WATER MAIN
	EXISTING WATER MAIN
	PROPOSED RECLAIMED MAIN
	EXISTING RECLAIMED MAIN
	PROPOSED FORCE MAIN
	EXISTING FORCE MAIN
	PROPOSED FIRE WATER
	FIRE HYDRANT ASSEMBLY
	WATER MAIN
	REUSE MAIN
	FORCE MAIN
	SANITARY SEWER
	GATE VALVE
	BACK FLOW PREVENTER
	FIRE WATER MAIN

NOTES

- ALL VALVE COVERS AND/OR PADS THAT ARE WITHIN, ADJACENT TO OR IN CLOSE PROXIMITY TO SIDEWALK SHALL BE ADJUSTED TO MATCH SIDEWALK GRADES.
- UTILITY SYMBOLS ON THE PLAN MAY APPEAR LARGER THAN ACTUAL SIZE OR MOVED FROM INTENDED LOCATION FOR CLARITY. UTILITY APPURTENANCES ARE TO BE INSTALLED PER DETAILS IN PLAN SET OR REFERENCED STANDARD DETAILS.
- MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS ARE THE MINIMUM ALLOWABLE WATER AND/OR WASTEWATER CONSTRUCTION STANDARDS, WHERE ANY NOTE OR DETAIL ON THESE PLANS CONFLICT WITH THE MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS THE MORE STRINGENT INTERPRETATION, AS DETERMINED BY THE COUNTY INFRASTRUCTURE INSPECTOR, SHALL BE APPLIED.
- ALL WATER MAINS AND FORCE MAINS SHALL HAVE 3' OF COVER, UNLESS OTHERWISE NOTED.
- ALL WATER MAINS AND RECLAIMED WATER MAINS SHALL BE PVC C-900, DR-18 UNLESS OTHERWISE NOTED.
- ALL FORCE MAINS SHALL BE PVC, C-900, DR-18, CL 235, UNLESS OTHERWISE NOTED.
- ALL GRAVITY SANITARY SEWER MAINS 4'-15" DIA. SHALL BE SDR 26, ASTM D 3034, UNLESS OTHERWISE NOTED.
- ALL GATE VALVES MUST BE RESTRAINED TO THE TEES AND/OR CROSSES IN THE WATER DISTRIBUTION SYSTEM.
- ALL FIRE HYDRANTS SHALL BE LOCATED PURSUANT TO MANATEE COUNTY PUBLIC WORKS DEPARTMENT DETAIL UW-5 AS SHOWN ON SHEET C-704.
- SEE UTILITY DETAIL DRAWINGS FOR WATER AND SEWER SERVICE TERMINATIONS.
- ALL DUCTILE IRON PIPE (DIP) FOR WATER SHALL BE PRESSURE CLASS 350. ALL PIPE NOT BURIED SHALL BE SPECIAL THICKNESS CLASS 53.
- FIELD DEFLECT WATER MAIN TO CLEAR BEHIND INLETS WHERE REQUIRED.
- ALL WATER SERVICES UNDER ROADWAYS ARE TO BE SLEEVED.
- ALL WATER PIPE SHALL BE COLORED BLUE. ALL SEWER PIPE SHALL BE COLORED GREEN. ALL REUSE WATER PIPE SHALL BE COLORED PURPLE.
- PIPE 3" DIAMETER OR SMALLER SHALL BE HIGH DENSITY POLYETHYLENE (PE) 3408 POLYETHYLENE RESIN PER ASTM D2737 MEETING AWWA C-901. PE PIPE SHALL BE DRISCOPLEX 5100 ENDOT ENDOPURE, CHARTER PLASTICS OR AN APPROVED EQUAL. PIPE SHALL BE COLORED OR ENCASED IN A PROPERLY COLORED SLEEVE IN ACCORDANCE WITH MANATEE COUNTY STANDARDS.
- AN EASEMENT FOR THE INGRESS/EGRESS AND MAINTENANCE OF THE PROPOSED WATER METERS IS REQUIRED AND WILL BE SHOWN ON THE FINAL PLAN.
- SEWER MANHOLES AND CLEANOUTS SUBJECT TO TRAFFIC LOADING AND/OR VEHICULAR PARKING SHALL HAVE H-20 TRAFFIC RATED FRAMES AND COVERS.
- THERE SHALL BE 3' MINIMUM CLEARANCE FROM LANDSCAPE PLANTS TO THE EDGE OF THE METERS LESS THAN 3" AND 10' FOR METERS 3" AND LARGER.
- THERE SHALL BE 7.5' MINIMUM CLEARANCE FROM THE FRONT AND BOTH SIDES AND 4' FROM THE BACK FOR ALL FIRE HYDRANTS.
- NO TREES SHALL BE PLANTED WITHIN 10' OF ANY COUNTY MAINTAINED WATER OR SEWER MAIN.
- THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROX. ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND ADJUSTMENTS, AS REQUIRED.
- THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED BY THE CONTRACTOR 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
- THE LOCATOR OF WATER SERVICES CONNECTION OR EXTENSIONS SHALL BE MARKED ABOVE THE GROUND AT THE BOUNDARY LINE OF EACH LOT WITH A TWO BY FOUR (2"x4") POST WHICH SHALL EXTEND ABOVE THE FINISHED GRADE AT LEAST TWENTY-FOUR (24") INCHES AND SHALL BE PAINTED BLUE. PERMANENT BLUE MARKERS SHALL BE ETCHED INTO THE CURB.
- THE LOCATOR OF SEWER LATERAL SERVICE CONNECTIONS OR EXTENSIONS SHALL BE MARKED ABOVE THE GROUND AT THE BOUNDARY LINE OF EACH LOT WITH A TWO BY FOUR (2"x4") POST WHICH SHALL EXTEND ABOVE THE FINISHED GRADE AT LEAST TWENTY-FOUR (24") INCHES AND SHALL BE PAINTED GREEN. PERMANENT GREEN MARKERS SHALL BE ETCHED INTO THE CURB.



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EDWARD M. DEAN, P.L.A.
 FLORIDA LICENSE NUMBER LA 6667269
 DATE: 8/12/2022

KHA PROJECT 148-000080
 DATE AUGUST 2022
 SCALE AS SHOWN
 DESIGNED BY EMD
 DRAWN BY EMD
 CHECKED BY EMD

UTILITY PLAN
 PARRISH COMMUNITY PARK
 PREPARED FOR
 MANATEE COUNTY
 FLORIDA
 SHEET NUMBER
C-500

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: C-600 SIGNING AND PAVEMENT MARKING PLAN. August 12, 2022 10:31:05am. K:\SAR JUR\148400080 - Parrish Community Park\CAD\PlanSheets\C-600 - SIGNING AND PAVEMENT MARKING PLAN.dwg. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



SIGNAGE LEGEND

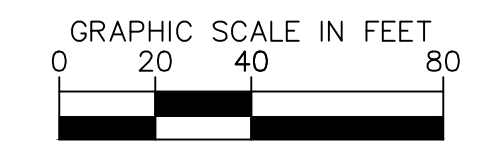
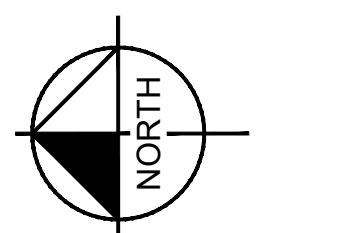
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	R4-7		R1-1
	W11-2		R2-1
	R1-2		OMI-1
	R5-1		R6-1R
	RIGHT TURN ONLY		R8-3a INDICATING FIRE LANE
	FOOT INDEX #17355 FTP-52-06		

PAVEMENT MARKING LEGEND

SYMBOL	DESCRIPTION
	12" WIDE SOLID WHITE LINE (STANDARD CROSSWALK)
	24" WIDE SOLID WHITE LINE (STOP LINE)
	4" WIDE SOLID WHITE LINE
	4" WIDE SOLID BLUE LINE

NOTES

1. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS SHOWN OTHERWISE.
2. CONTRACTOR TO INSTALL TRUNCATED DOMES AT EACH CROSSWALK WHERE SIDEWALK MEETS DRIVE.
3. ALL SIGNS TO BE PERMITTED SEPARATELY THROUGH MANATEE COUNTY.
4. ALL OF THE SIGNING AND PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MUTCD, FOOT DESIGN STANDARDS AND THE MANATEE COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY, TRAFFIC AND STORMWATER STANDARDS. TRAFFIC CONTROL DEVICES THAT DO NOT CONFORM TO THESE DOCUMENTS, AND THAT ARE WITHIN THE PUBLICLY MAINTAINED RIGHT-OF-WAY, IF ACCEPTABLE, WILL REQUIRE AN EXECUTED MAINTENANCE AGREEMENT PRIOR TO APPROVAL OF CONSTRUCTION PLANS.
5. REFLECTIVE PAVEMENT MARKERS (R.P.M.'S) SHALL BE BI-DIRECTIONAL AMBER FOR ALL CENTERLINE AND TRAFFIC ISLAND/MEDIANS LOCATED IN ACCORDANCE TO F.O.T. STANDARD INDEX MO. 17352. ALL R.P.M.'S SHALL BE INSTALLED WITH BITUMINOUS ADHESIVE AND SHALL NOT BE INSTALLED ON THERMOPLASTIC MARKINGS AND STRIPING.
6. BI-DIRECTIONAL BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ADJACENT TO ALL FIRE HYDRANT LOCATIONS, IN ACCORDANCE WITH LOCAL FIRE RESCUE DISTRICT STANDARDS.
7. ALL PAVEMENT MARKINGS AND TRAFFIC STRIPING SHALL BE ALKYD THERMOPLASTIC, 90 MILS MINIMUM THICKNESS. PARKING STALLS SHALL BE PAINT.
8. ALL PROPOSED SIGNS SHALL BE DESIGNED FOR MANATEE COUNTY WIND REQUIREMENTS.
9. STOP LINES 2 AND CROSSWALKS 1 SHALL BE SEPARATED BY A DISTANCE OF 48", MEASURED OUTSIDE EDGE TO OUTSIDE EDGE.
10. TRAFFIC SIGNPOSTS WITHIN THE CITY RIGHT-OF-WAY AND PROPERTY BOUNDARY SHALL BE 2'X2' SQUARE BREAKAWAY 14 GAUGE GALVANIZED STEEL WITH HOLES PUNCHED 1" ON CENTER.
11. ALL STREET STOP SIGNS WILL BE MANUFACTURED USING DIAMOND GRADE REFLECTIVE SHEETING (OR AN EQUIVALENT). ALL OTHER TRAFFIC STREET SIGNS SHALL BE MANUFACTURED USING (MINIMUM) HIGH INTENSITY REFLECTIVE SHEETING. TRAFFIC SIGN POSTS AND STREET NAME SIGNS SHALL BE INSTALLED CONSISTENT WITH LOCAL REGULATIONS. THE TAPCO V-LOC VS IP-350 SYSTEM (OR EQUIVALENT) SHALL BE EMPLOYED WHERE SIGN POSTS ARE INSTALLED IN PAVED AREAS.
12. ALL MEDIAN BULL NOSES SHALL BE PAINTED WITH YELLOW REFLECTORIZED PAINT.



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EDWARD M. DEAN, P.L.A.
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DESIGNED BY EMD
DRAWN BY _____
CHECKED BY EMD DATE: 8/12/2022

KHA PROJECT 148-400080

DATE AUGUST 2022

SIGNING AND PAVEMENT MARKING PLAN

FLORIDA

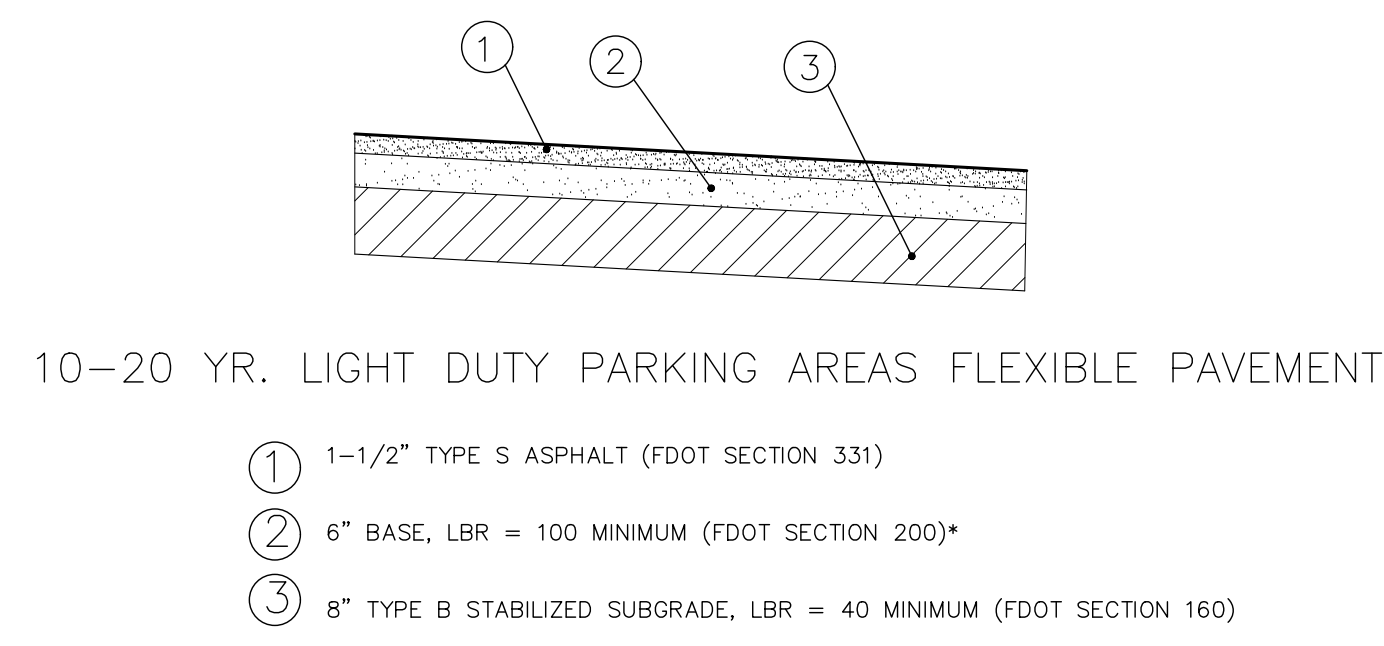
PARRISH COMMUNITY PARK

PREPARED FOR MANATEE COUNTY

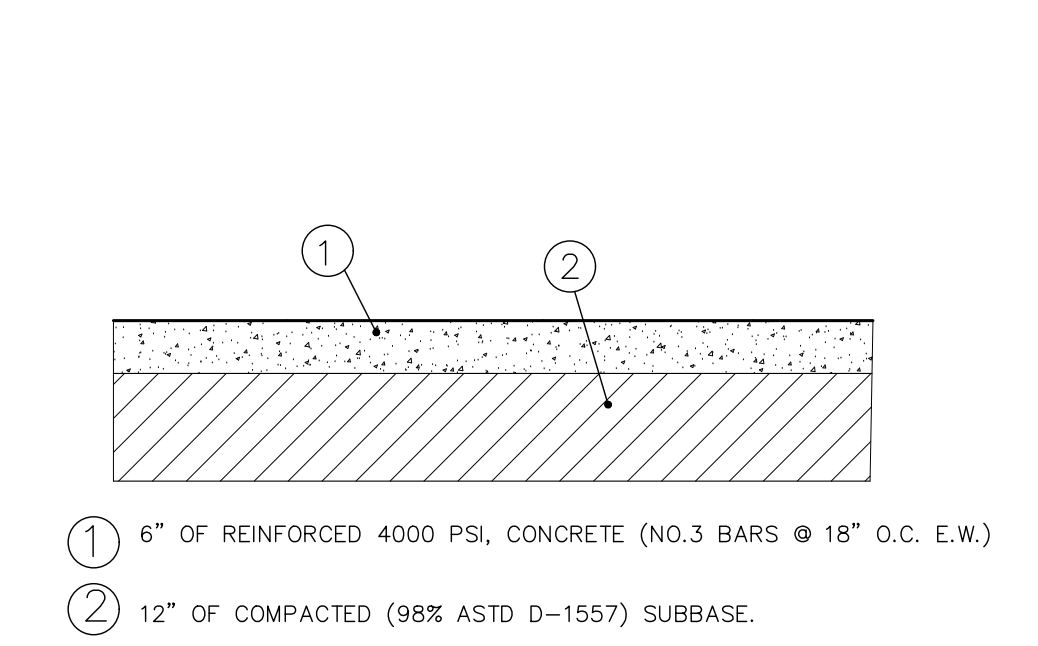
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MANATEE COUNTY

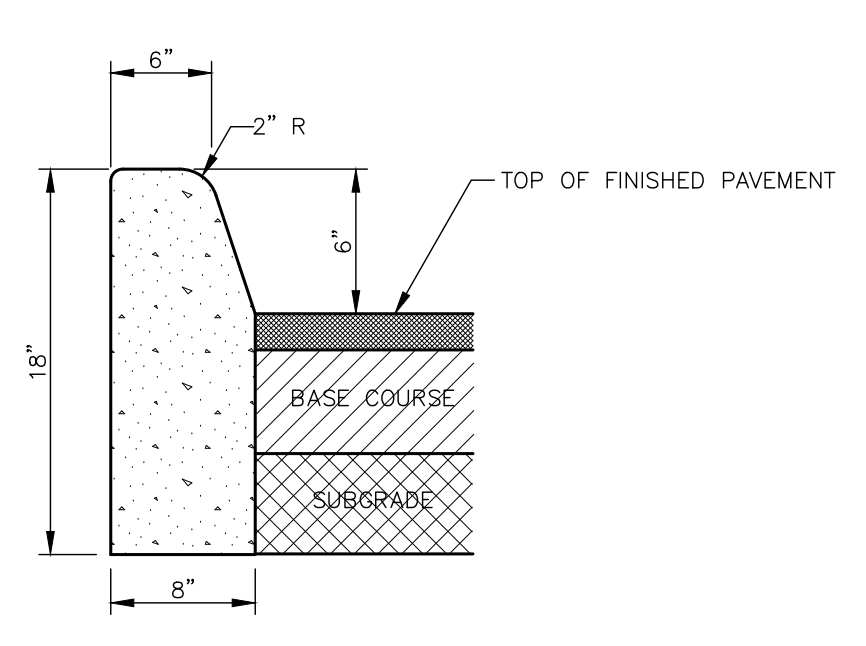
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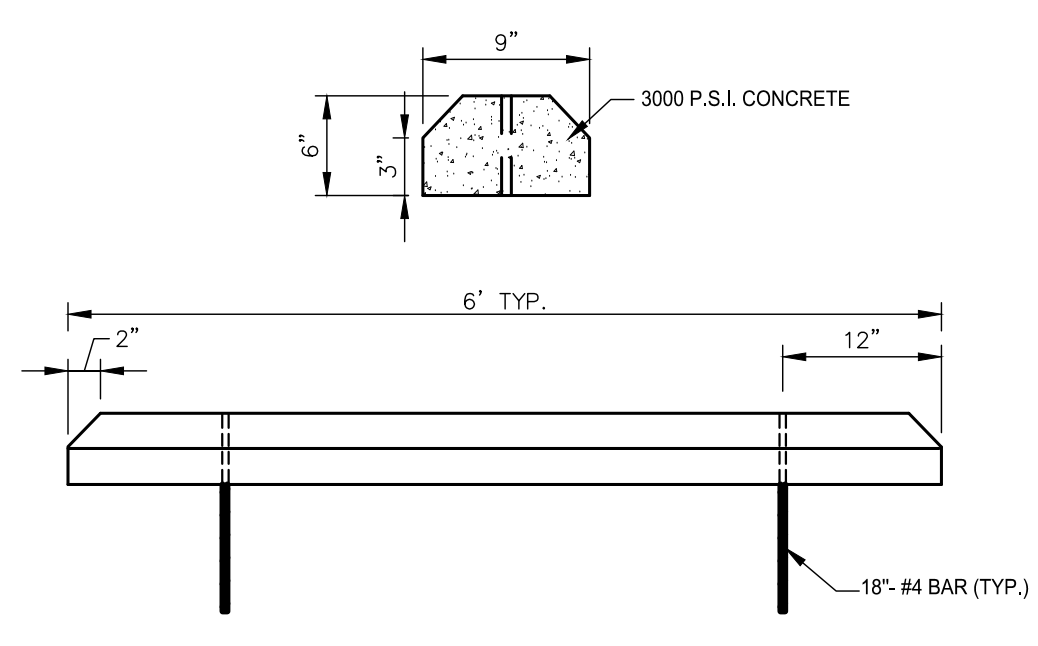
STANDARD DUTY ASPHALT
N.T.S.



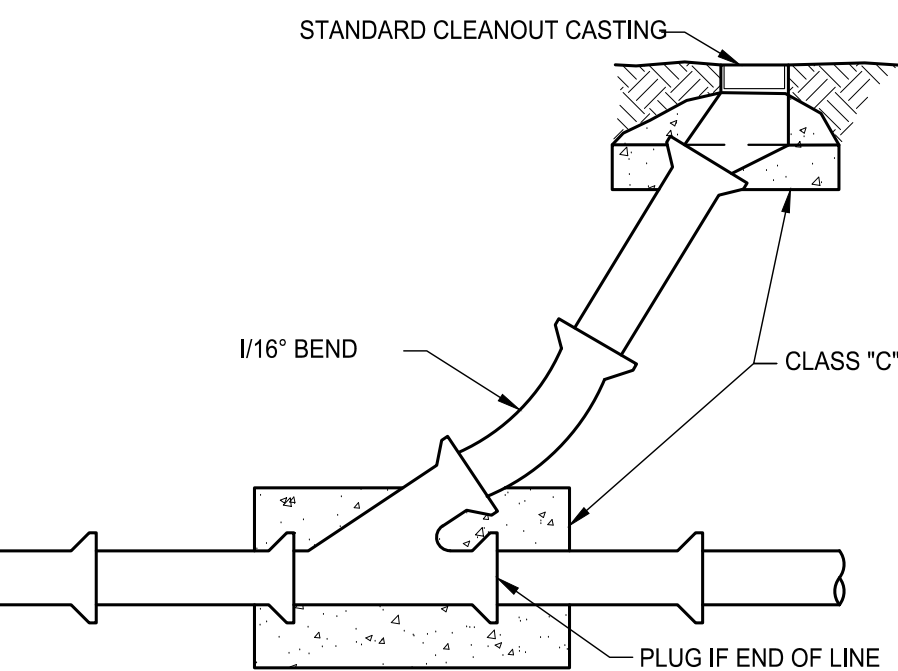
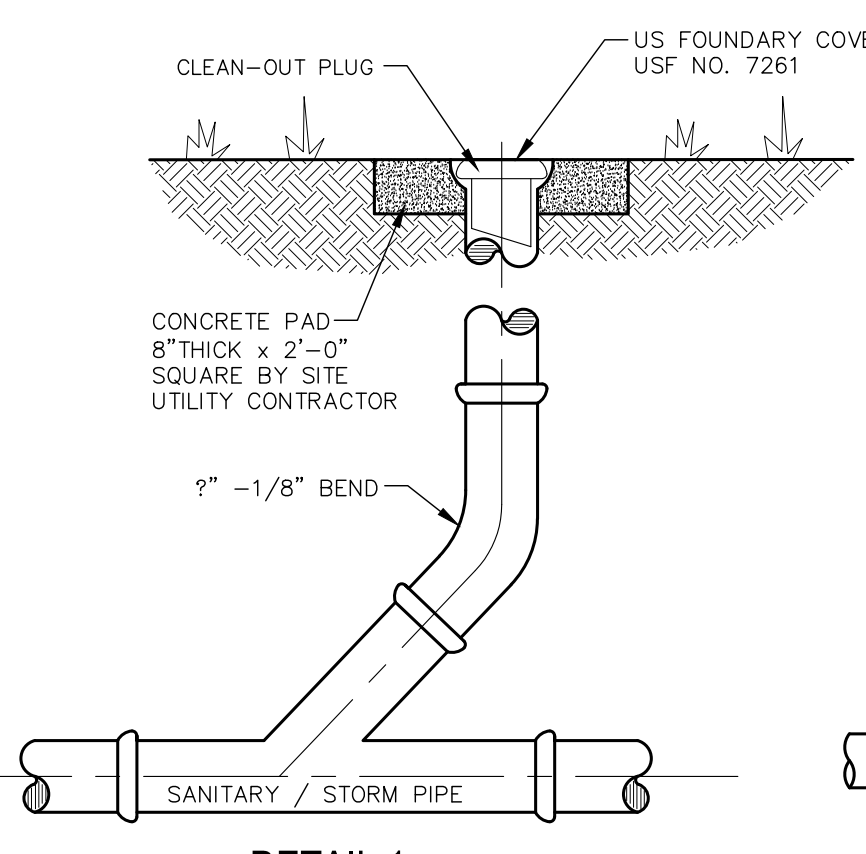
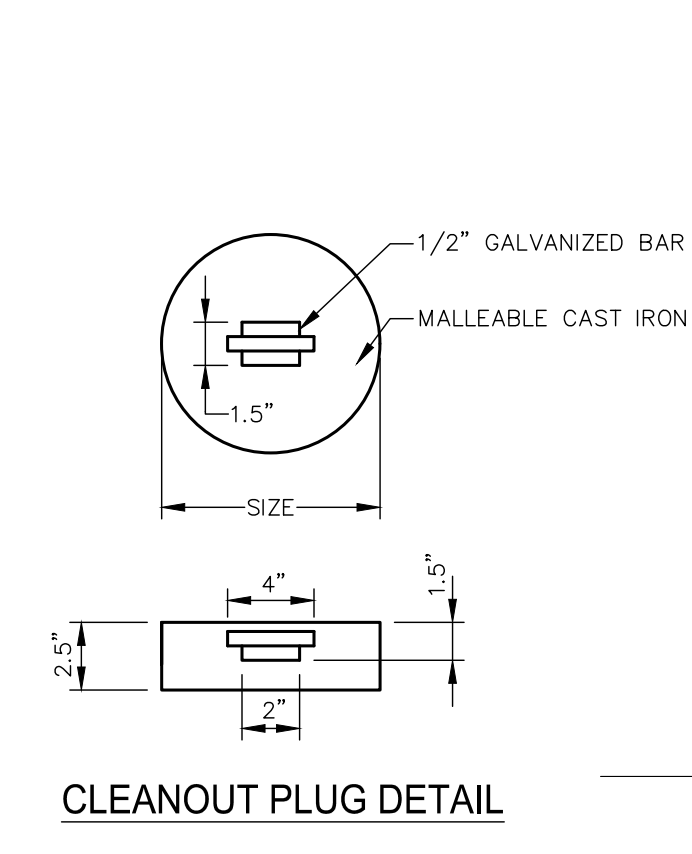
CONCRETE PAVEMENT SECTION
N.T.S.



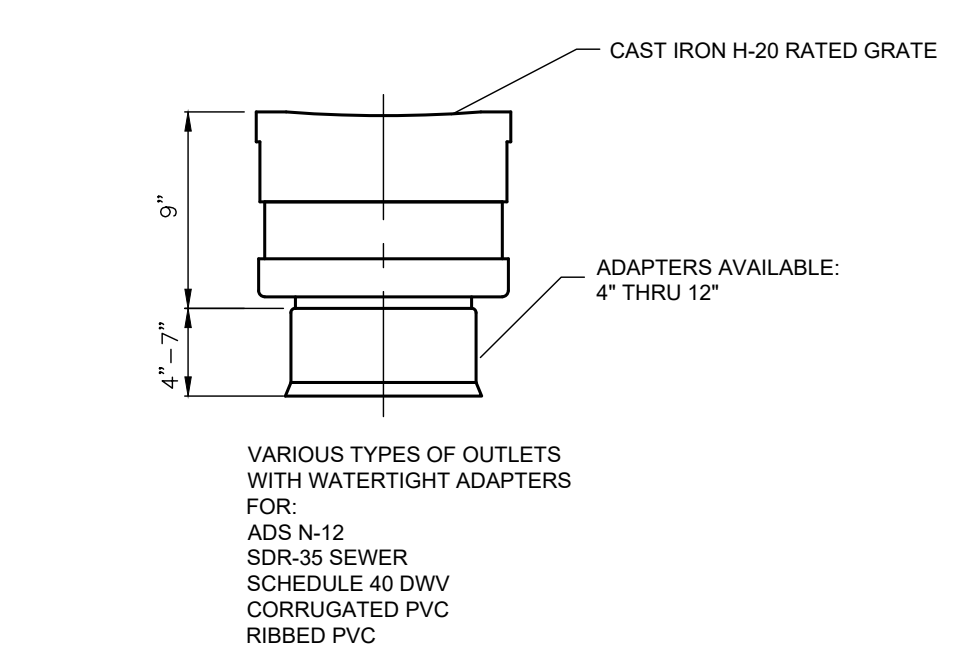
TYPE "D" CURB
N.T.S.



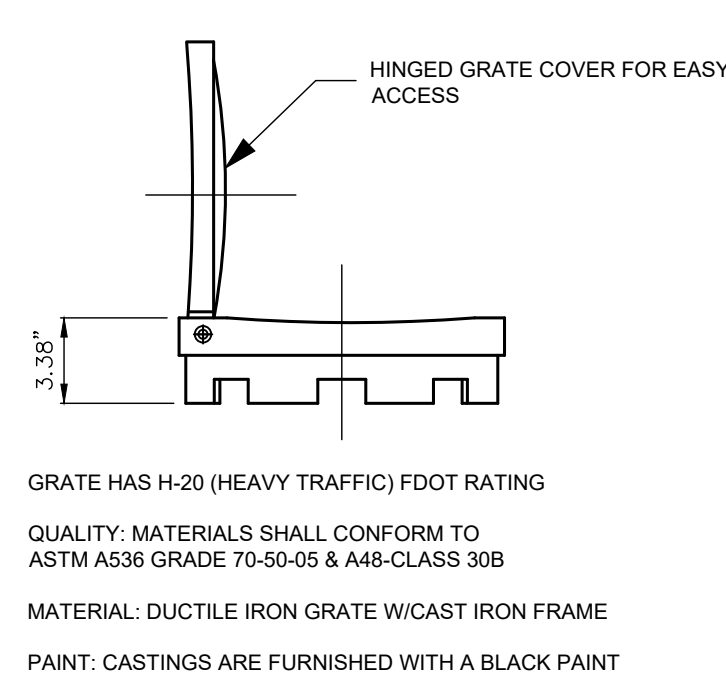
CONCRETE WHEEL STOP
N.T.S.



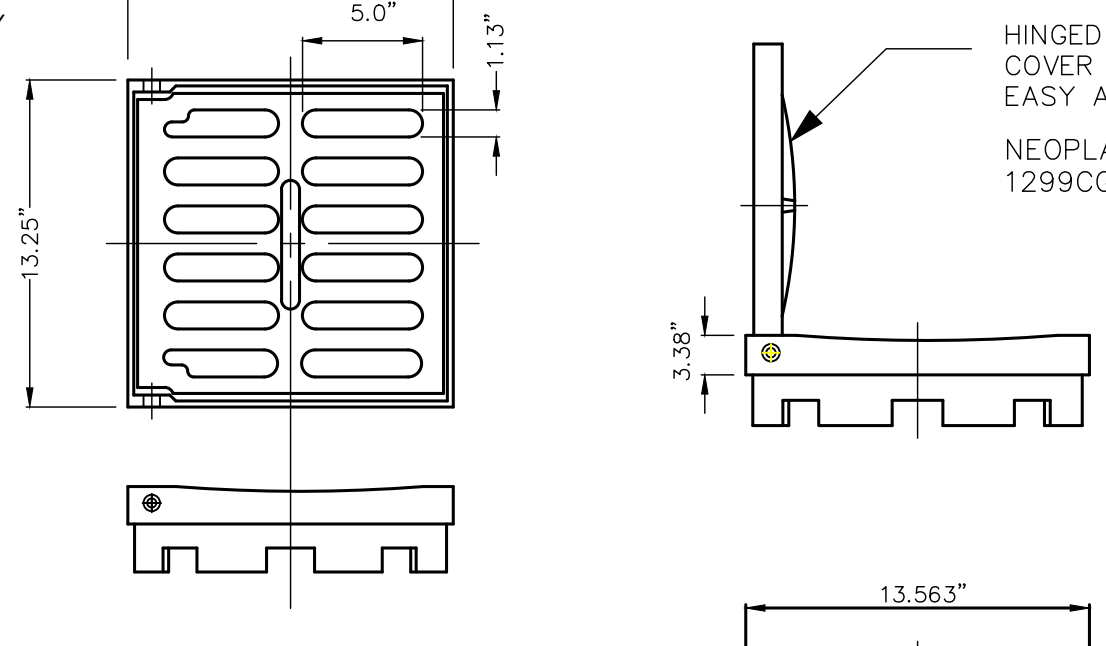
CLEANOUT DETAILS



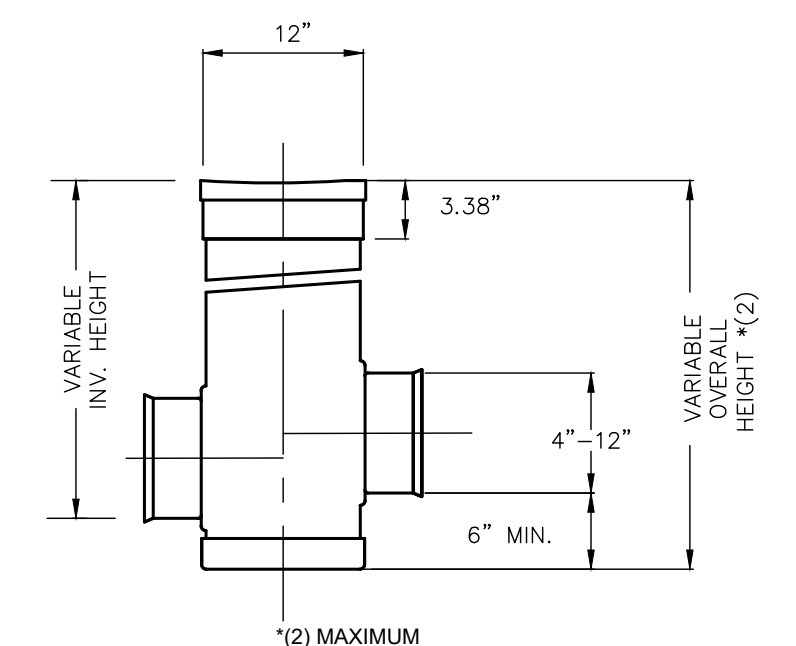
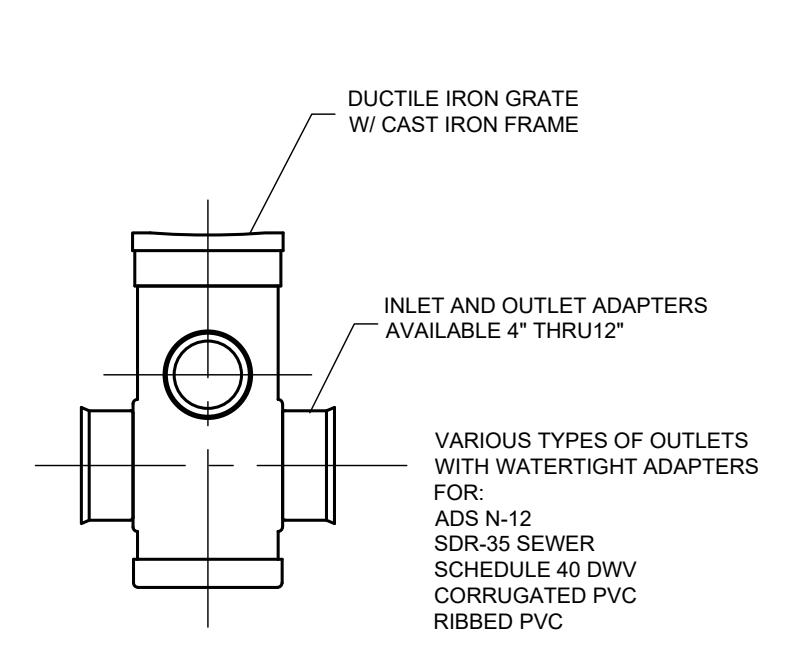
12" PVC INLINE DRAIN
N.T.S.
REF: NYOPLAST STORM DRAINAGE STRUCTURES



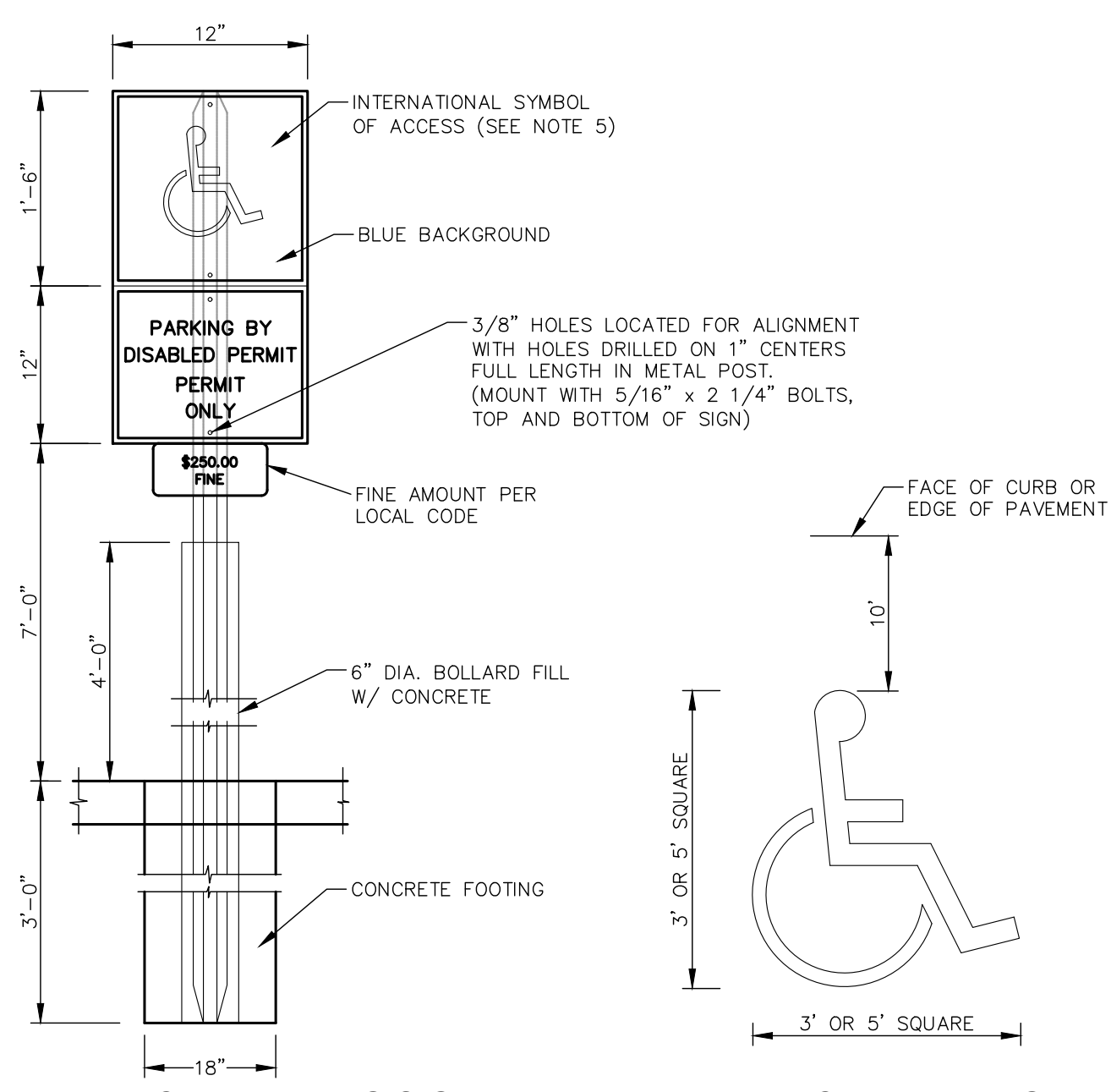
12" CAST IRON GRATE
N.T.S.
REF: NYOPLAST STORM DRAINAGE STRUCTURES



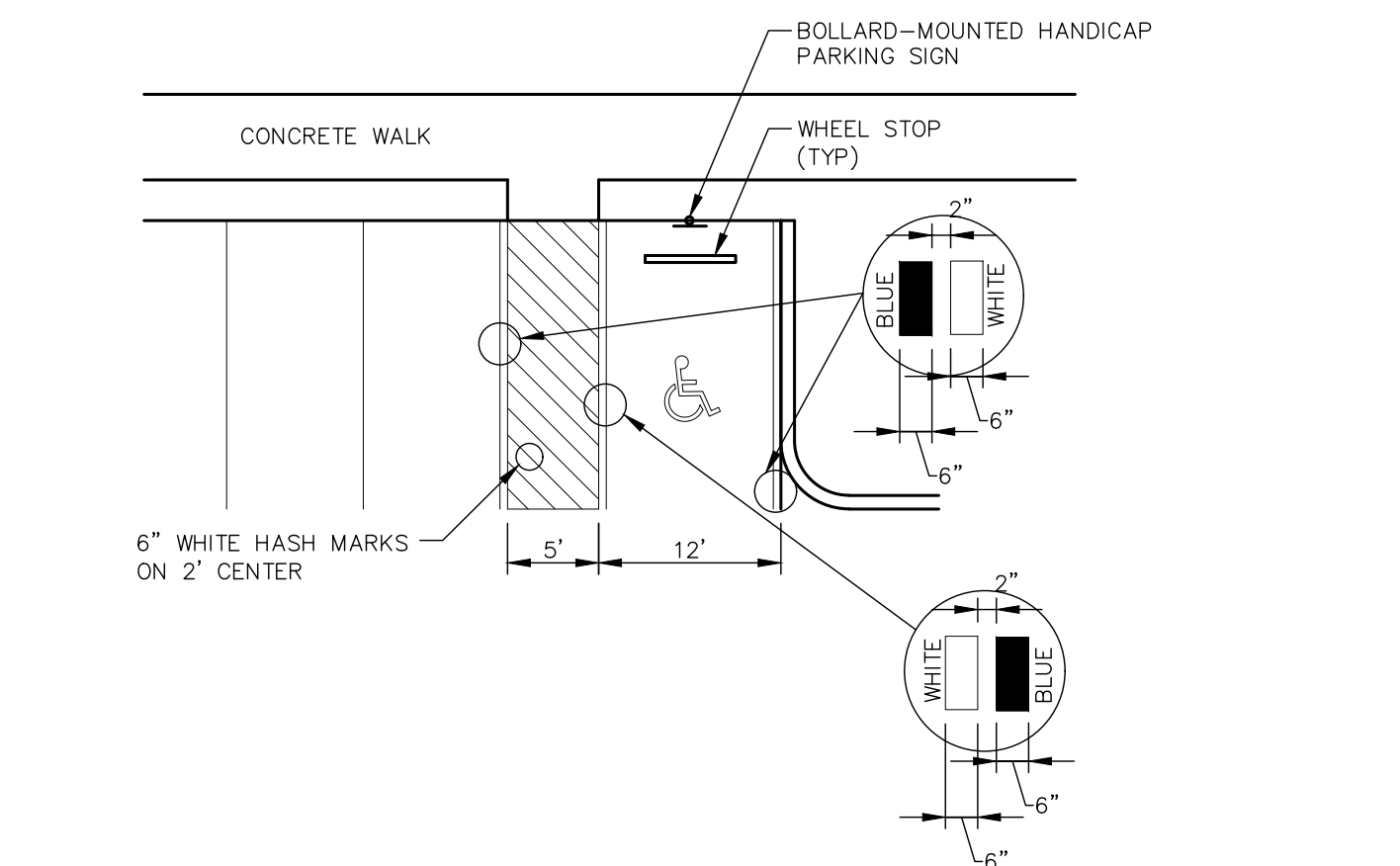
OPTIONAL PEDESTRIAN GRATE
N.T.S.



12" PVC YARD DRAINS
N.T.S.
REF: NYOPLAST STORM DRAINAGE STRUCTURES



HANDICAP PARKING SIGN **HANDICAP PARKING PAVEMENT MARKING**



- NOTES:**
- METAL POST TO BE GALVANIZED. ALL BOLTS, NUTS, WASHERS AND SCREWS MUST BE RUSTPROOF.
 - CONCRETE FOR FOOTING SHALL BE PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I.
 - SIGNS WILL BE FABRICATED BY USING REFLECTING COATING IN THE SYMBOL, MESSAGE AND BORDER APPLIED TO A SHEET ALUMINUM BACKING (.080) IN THICKNESS.
 - MESSAGE LETTERING SHALL BE UPPER CASE (WHITE)(SERIES B) 2" HIGH IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - THE SYMBOL IS COMPOSED OF TWO ELEMENTS, A WHITE WHEELCHAIR FIGURE (WHICH SHOULD ALWAYS FACE RIGHT) ON A SQUARE BACKGROUND, INTERNATIONAL BLUE IN COLOR (FED. STD. 595a, COLOR #15180).
 - SIGN POST SHALL BE MIN. 2'-0" CLEAR FROM BACK OF CURB.
 - PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 1:50 (2%) IN ALL DIRECTIONS.

HANDICAPPED PARKING/MARKING DETAIL
N.T.S.

30% PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)	NO.	REVISIONS	DATE	BY

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 1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236
 PHONE: 941-579-7800
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT 148-400080	DATE AUGUST 2022	DESIGNED BY EMD	CHECKED BY EMD
SCALE AS SHOWN	DRAWN BY	EDWARD M. DEAN, P.L.A.	FLORIDA LICENSE NUMBER LA 6667269
			DATE 8/12/2022

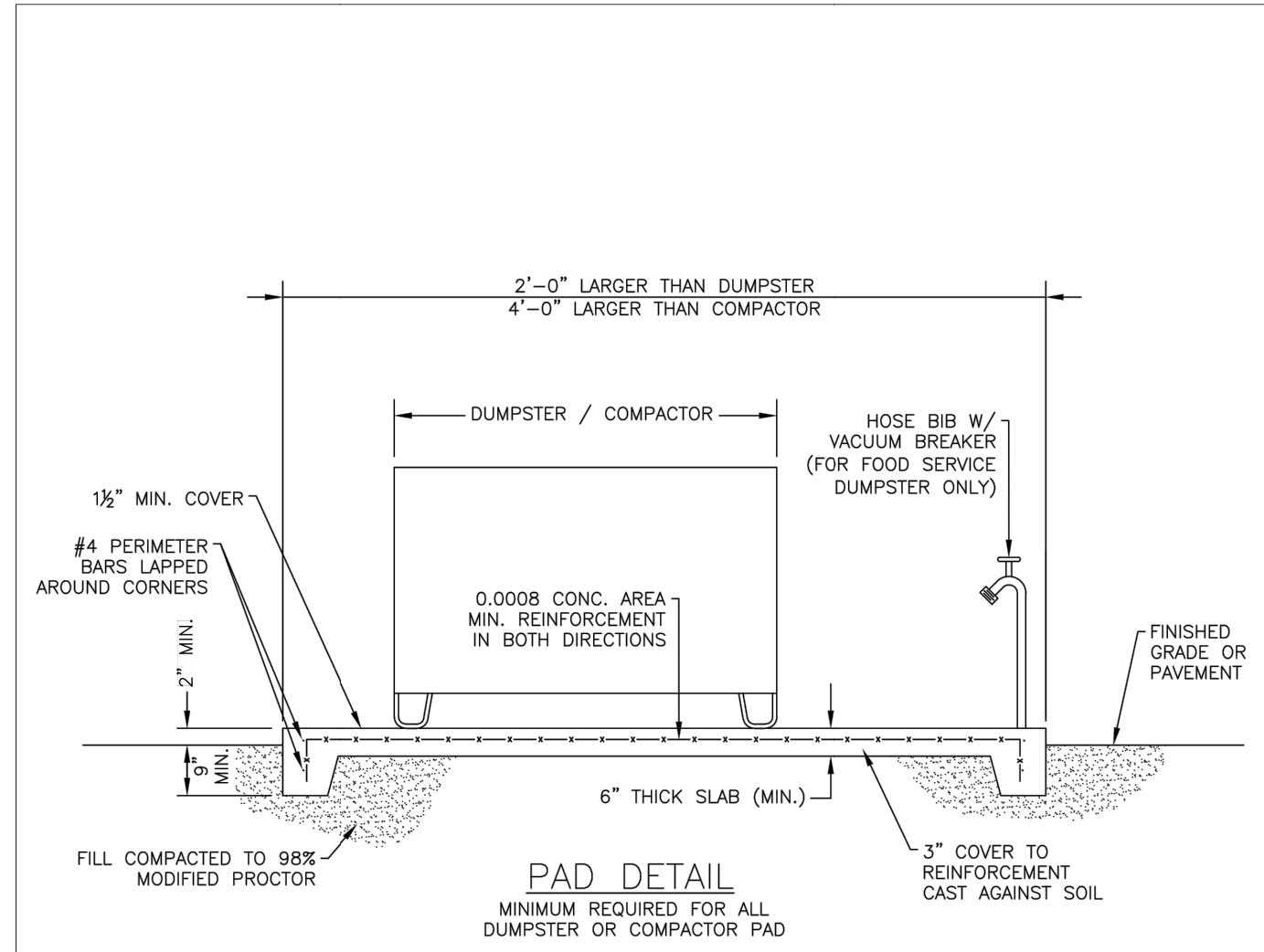
MISCELLANEOUS DETAILS

PARRISH COMMUNITY PARK
 PREPARED FOR
MANATEE COUNTY
 FLORIDA

SHEET NUMBER
C-700

CALL 2 WORKING DAYS BEFORE YOU DIG
811
 IT'S THE LAW!
 Know what's below.
 Call before you dig.
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

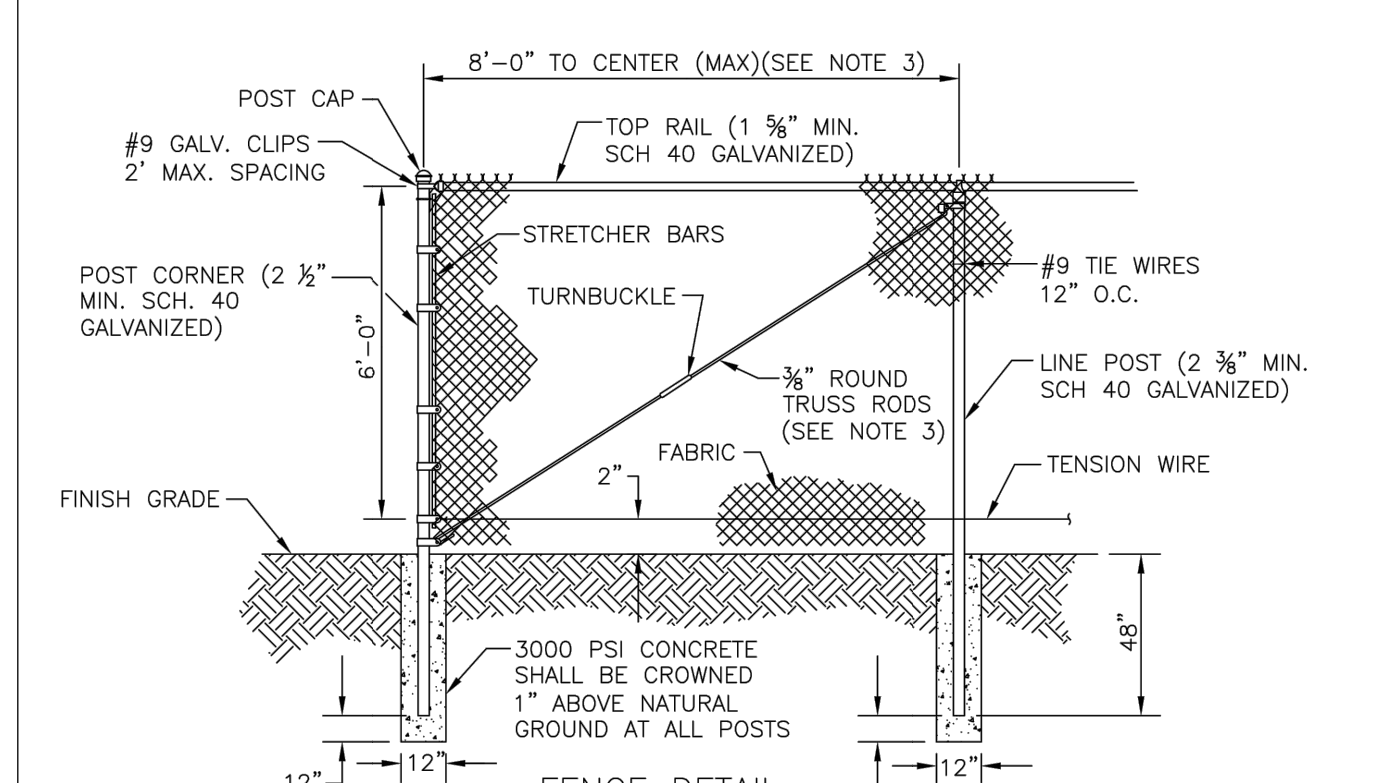
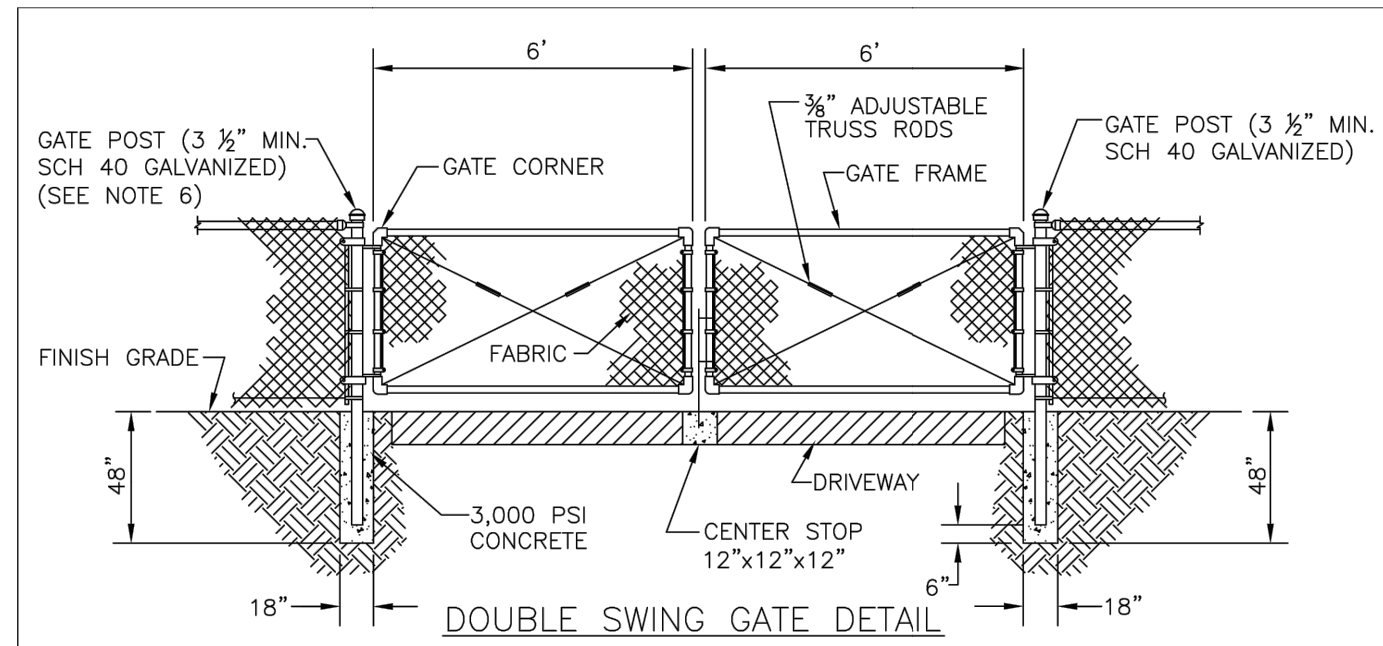
Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: C-701 MISCELLANEOUS DETAILS - August 12, 2022 - 10:31:23am. K:\SAR-UR\148400080 - Parrish Community Park\CAD\PlanSheets\C-600 - MISCELLANEOUS DETAILS.dwg
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PAD DETAIL
MINIMUM REQUIRED FOR ALL DUMPSTER OR COMPACTOR PAD

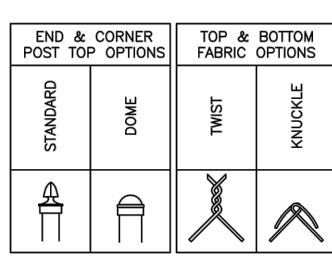
- NOTES:**
- DUMPSTER PAD SHALL BE CLASS I CONCRETE W/ MIN. COMP. STRENGTH $f'c = 3000$ P.S.I. & MIN. REINFORCEMENT STRENGTH $f_y = 60,000$ P.S.I.
 - DUMPSTER PAD SHALL BE FENCED IN ACCORDANCE WITH THE MANATEE COUNTY LAND DEVELOPMENT CODE.
 - ENCLOSURE SIZE TO BE A MINIMUM 10'x20' TO ACCOMMODATE RECYCLING CONTAINERS AND HAVE A MIN. TEN (10') FOOT GATE OPENING FOR EACH CONTAINER.
 - DISCHARGE FROM THE DUMPSTER PAD SHALL BE DIRECTED TO THE ONSITE STORMWATER MANAGEMENT SYSTEM, I.E. CATCH BASIN, SWALES, RETENTION AREA, ETC.
 - WHEN DUMPSTER PAD IS LOCATED ADJACENT TO PROPERTY LINE, DISCHARGE SHALL BE DIRECTED IN THE OPPOSITE DIRECTION AND SHALL NOT DISCHARGE ONTO ADJACENT PROPERTY.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		COMPACTOR AND DUMPSTER PADS	US-14A
REV. BY	DATE		
	February 25, 2020		
	DATE OF APPROVAL		



- NOTES:**
- FENCING SHALL BE CHAIN LINK, W/ PRIVACY DECORATIVE SLATS (COLOR MATCHED).
 - CHAIN LINK FENCING SHALL BE #9 GAUGE, GALVANIZED STEEL WITH VINYL COATING (BLACK OR GREEN).
 - TRUSS BARS ON CHAIN LINK FENCES ARE REQUIRED FOR THE FIRST SPAN ON EACH SIDE OF THE CORNER POST AND FOR EACH GATE SECTION.
 - LANDSCAPE SCREENING SHALL BE LOCATED ON THE EXTERIOR OF LIFT STATION FENCING.
 - SWING GATES SHALL BE CAPABLE OF SWINGING BOTH INWARDS AND OUTWARDS. CANTILEVER SLIDE GATES AND ROLL SLIDE GATES MEETING FDOT DESIGN STANDARDS MAY BE USED AS AN OPTION TO SWING GATES.
 - GATE POSTS AND TRACK LINE POSTS SHALL BE 4 INCH SCHEDULE 40 FOR CANTILEVER SLIDE GATES AND ROLL SLIDE GATES.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		SECURITY FENCING	US-17
REV. BY	DATE		
	February 25, 2020		
	DATE OF APPROVAL		



30% PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)	
No.	REVISIONS
	DATE
	BY

Kimley»Horn
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PHONE: 941-579-7800
WWW.KIMLEY-HORN.COM REGISTRY NO. 696

EDWARD M. DEAN, P.L.A.
FLORIDA LICENSE NUMBER
LA 6667269
DATE: 8/12/2022

KHA PROJECT 148-400080	DATE AUGUST 2022
SCALE AS SHOWN	DESIGNED BY EMD
	DRAWN BY
	CHECKED BY EMD

**MISCELLANEOUS
DETAILS**

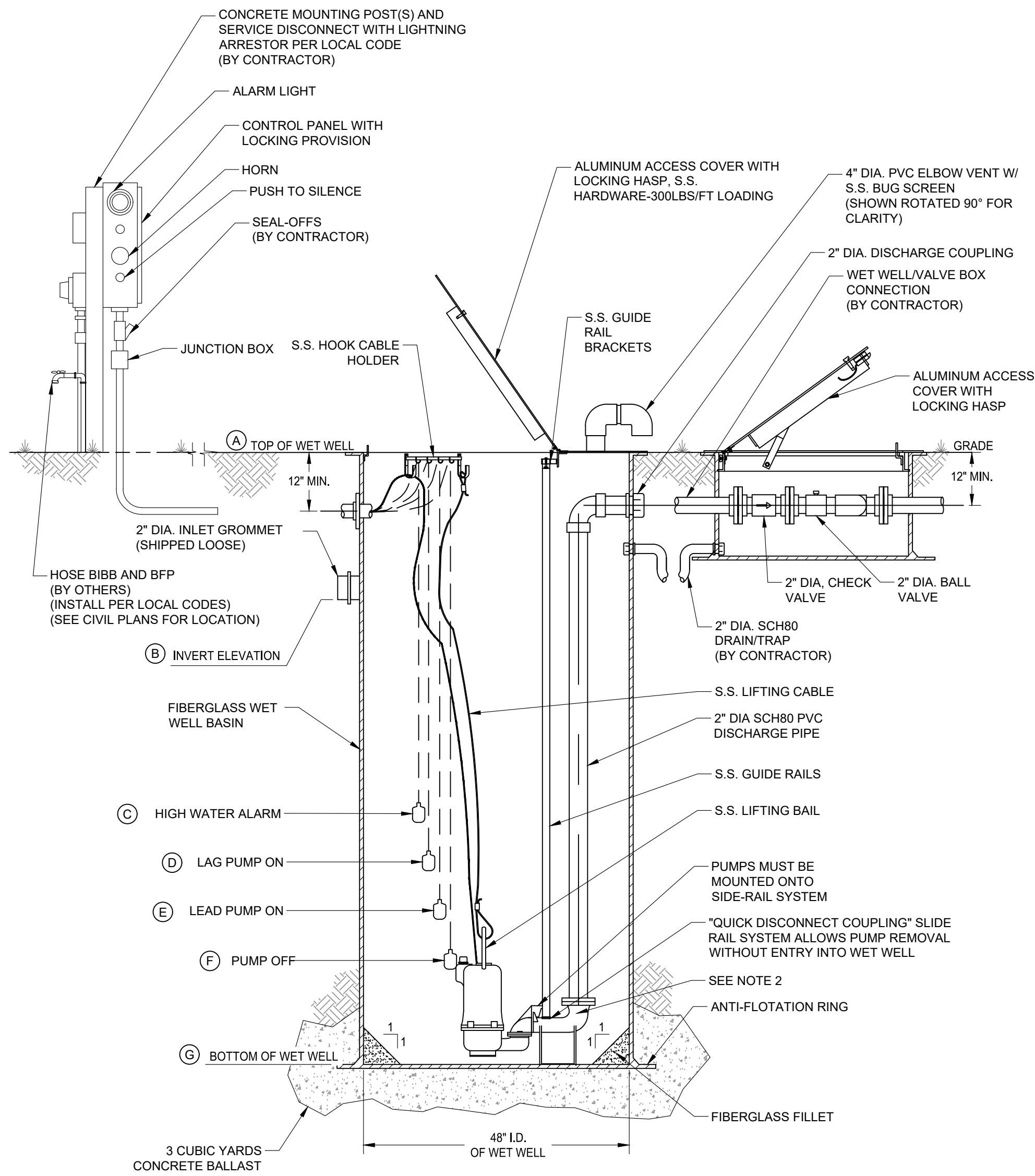
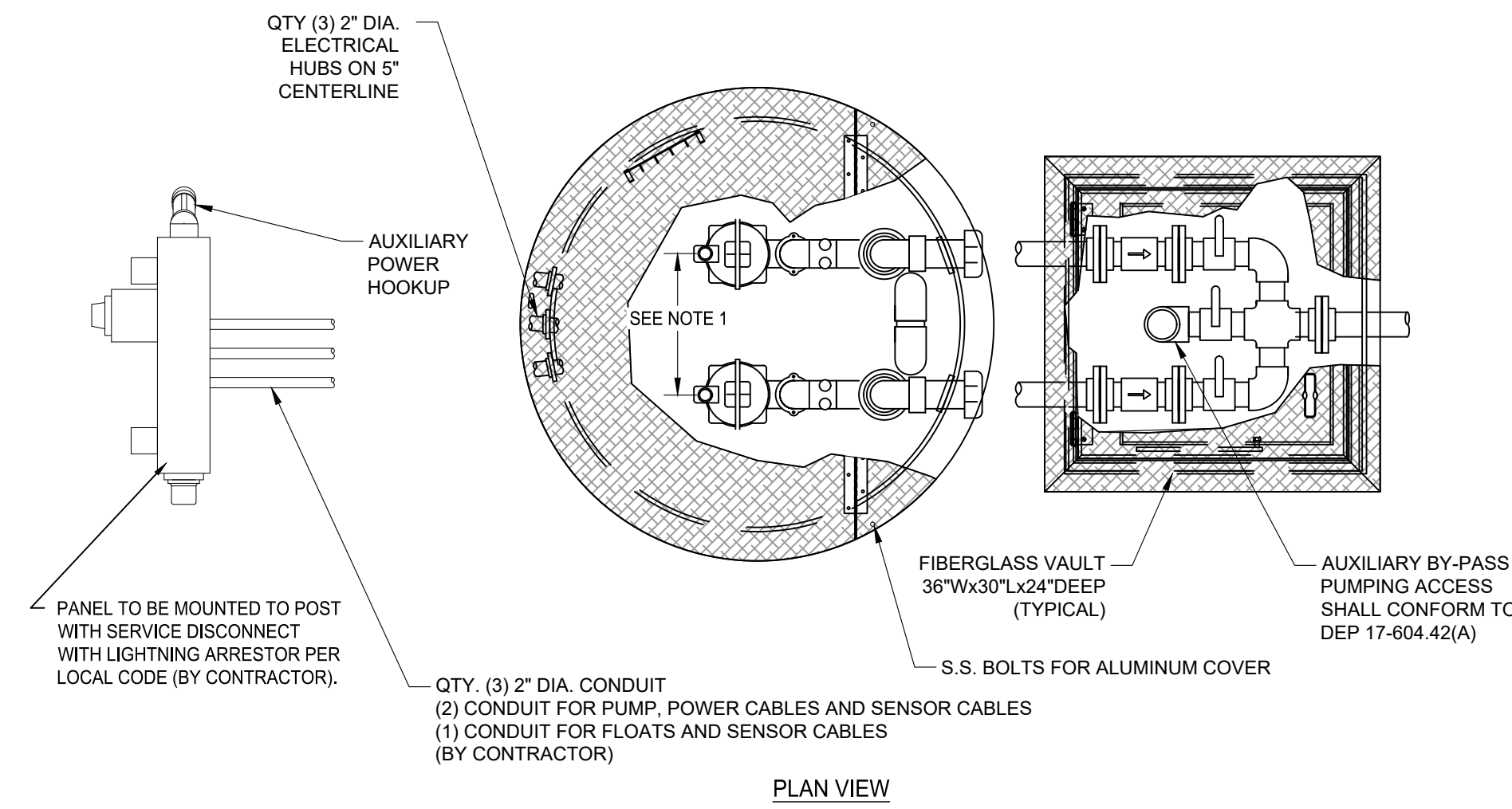
**PARRISH
COMMUNITY PARK**
PREPARED FOR
MANATEE COUNTY
FLORIDA

CALL 2 WORKING DAYS
BEFORE YOU DIG
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IT'S THE LAW!
DIAL 811
Know what's below.
Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

SHEET NUMBER
C-701

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: C-702 GRINDER LIFT STATION DETAILS August 12, 2022 10:31:30am K:\SAP\JRC\148400080 - Parrish Community Park\CAD\PlanSheets\C-600 - MISCELLANEOUS DETAILS.dwg
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WET WELL/VALVE BOX LAYOUT



ELEVATIONS

A	TOP OF WET WELL	TBD
B	INLET INVERT	TBD
C	HIGH WATER ALARM	TBD
D	LAG PUMP ON	TBD
E	LEAD PUMP ON	TBD
F	PUMP OFF	TBD
G	BOTTOM OF WET WELL	TBD

DEPTH = CONCRETE = 4000 LBS/YD
 6FT = 1.5 YDS (6000 LBS)
 8FT = 2 YDS (8000 LBS)
 10FT = 2.5 YDS (10000 LBS)
 12FT = 3 YDS (12000 LBS)
 14FT = 3.5 YDS (14000 LBS)

GENERAL NOTES

DESIGN CONDITIONS

MODEL	GRP 10/1	1	HP
GPM	50	12	FT/TDH
VOLTAGE	230	1	PHASE
DISCHARGE	2"	3.75"	IMPELLER

PUMPS SHALL BE OF THE SUBMERSIBLE TYPE (MANUFACTURED BY HYDRAMATIC OR HOMA). EACH PUMP SHALL BE MOUNTED ON A Ø2" RAIL SYSTEM. THE RAIL SYSTEM SHALL BE SELF ENGAGING RESULTING IN A LEAKPROOF COUPLING. THE RAIL SYSTEM SHALL INCLUDE THE BASE ELBOW, DISCHARGE FLANGE ASSEMBLY, 304SS GUIDE RAILS, 316SS UPPER GUIDE BRACKET, 316SS LIFTING BAIL AND CABLE, AND A SIX-HOOK 316SS CABLE HOLDER. THE RAIL SYSTEM SHALL BE MOUNTED AND PRE-PIPED BY THE PUMP SUPPLIER.

PUMP CONSTRUCTION
 THE PUMP VOLUTE, MOTOR AND SEAL HOUSING SHALL BE CONSTRUCTED OF CAST IRON. ALL EXTERNAL FASTENERS SHALL BE SERIES 300 STAINLESS STEEL. THE PUMP SHAFT SHALL BE CONSTRUCTED OF SERIES 416 STAINLESS STEEL.

IMPELLER
 THE IMPELLER SHALL BE OF MULTI-VANE, SEMI-OPEN CONSTRUCTION. THE IMPELLER SHALL BE STATICALLY AND HYDRAULICALLY BALANCED.

CUTTERS
 A CUTTER ASSEMBLY SHALL BE MOUNTED ON THE SUCTION SIDE OF THE PUMP WITH DIRECT DISCHARGE INTO THE PUMP IMPELLER. THE GRINDER SHALL BE CAPABLE OF GRINDING MATERIALS FOUND IN NORMAL DOMESTIC SEWAGE. BOTH THE STATIONARY AND ROTATING CUTTERS SHALL BE CONSTRUCTED OF HARDENED STEEL.

MOTOR
 THE MOTOR SHALL BE MOUNTED IN A SEALED, SUBMERSIBLE TYPE HOUSING. THE STATOR SHALL BE SECURELY HELD IN PLACE WITH A REMOVABLE END RING AND THREADED FASTENERS FOR EASE OF REMOVAL WITHOUT THE USE OF HEAT OR A PRESS. THE MOTOR WILL HAVE TWO HEAVY-DUTY BALL BEARINGS; ONE UPPER (RADIAL) AND ONE LOWER (THRUST), TO SUPPORT THE SHAFT. THE MOTOR SHALL BE EQUIPPED WITH A WINDING THERMOSTAT THAT IS WIRED TO SHUT THE MOTOR OFF IN CASE OF MOTOR OVERHEATING.

SEAL CHAMBER
 THE PUMP SHALL HAVE TWO MECHANICAL SEALS, MOUNTED IN TANDEM WITH AN OIL CHAMBER BETWEEN THE SEALS. THE PUMP SHALL BE EQUIPPED WITH A SEAL LEAK DETECTION PROBE AND WARNING SYSTEM BY USING A SEAL FAILURE SENSOR INSTALLED IN THE SEAL CHAMBER.

WET WELL
 THE PUMP SUPPLIER SHALL PROVIDE THE WET WELL. THIS GLASS FIBER-REINFORCED POLYESTER BASIN SHALL BE CONSTRUCTED OF A COMMERCIAL GRADE OF GLASS FIBER AND SHALL BE PROVIDED WITH FILLET AND AN ANTI-FLOTATION RING WITH A MINIMUM DIAMETER OF THREE INCHES LARGER THAN THE BASIN DIAMETER. THE RAIL SYSTEM, INTERNAL PIPING AND DISCHARGE CONNECTIONS SHALL BE PRE-INSTALLED BY THE PUMP SUPPLIER. CONCRETE BALLAST QUANTITY USED TO SECURE THE WET WELL BASE SHALL BE AT LEAST 3 CUBIC YARDS.

HATCH COVER
 THE HATCH COVER SHALL BE 2/3 HINGED TO ALLOW FOR MAXIMUM ACCESS TO THE WET WELL. THE HATCH COVER SHALL BE ALUMINUM WITH STAINLESS STEEL FASTENERS, RATED FOR 300 PSF OR GREATER. THE HATCH COVER SHALL INCLUDE A SINGLE OR DUAL DOOR OF DIMENSIONS SPECIFIED BY THE PUMP MANUFACTURER FOR PROPER PUMP CLEARANCE. THE COVER SHALL BE MANUFACTURED BY US FABRICATION, OR EQUAL.

VALVE BOX
 THE VALVE BOX IS FIBERGLASS WITH ALUMINUM LOCKABLE COVER. STANDARD SIZE VALVE BOX IS 3' X 2 1/2' X 2'.

VALVES
 VALVES SHALL BE SEWAGE SWING CHECK WITH CLEAN-OUT PORTS AND BRASS GATE VALVES.

FLOATS
 FLOATS SHALL BE ANCHOR SCIENTIFIC ROTO-FLOATS OR EQUAL.

CONTROLS
 THE CONTROL PANEL SHALL BE UL508 LISTED. A NEMA 3R ENCLOSURE SHALL BE PROVIDED IN EITHER FIBERGLASS OR STAINLESS STEEL. THE PANEL SHALL INCLUDE AN ALTERNATING CONTROL SCHEME (DUPLX AND ABOVE), MAIN CIRCUIT BREAKER, GENERATOR RECEPTACLE, HIGH LEVEL ALARM LIGHT AND HORN, ELAPSED TIME METERS, VOLTAGE OR PHASE MONITOR, SEAL FAILURE AND OVERLOAD SENSORS. THE LIGHTNING ARRESTOR SHALL BE PROVIDED BY CONTRACTOR.

ELECTRICAL
 ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.

SUPPLIER
 PUMP SUPPLIER SHALL PROVIDE SUBMERSIBLE PUMPS, SLIDE RAIL ASSEMBLIES, FIBERGLASS BASIN AND VALVE BOX, CONTROL PANEL, FLOAT SWITCHES, ALUMINUM HATCHES AND ACCESSORIES TO INSURE PROPER OPERATIONS AND WARRANTY. THE COMPLETE PACKAGE PUMPING STATION SHALL HAVE PUMP BASES, RAIL ASSEMBLIES, AND DISCHARGE PIPING ASSEMBLED BY BARNEY'S PUMPS INC. READY FOR FIELD INSTALLATION.

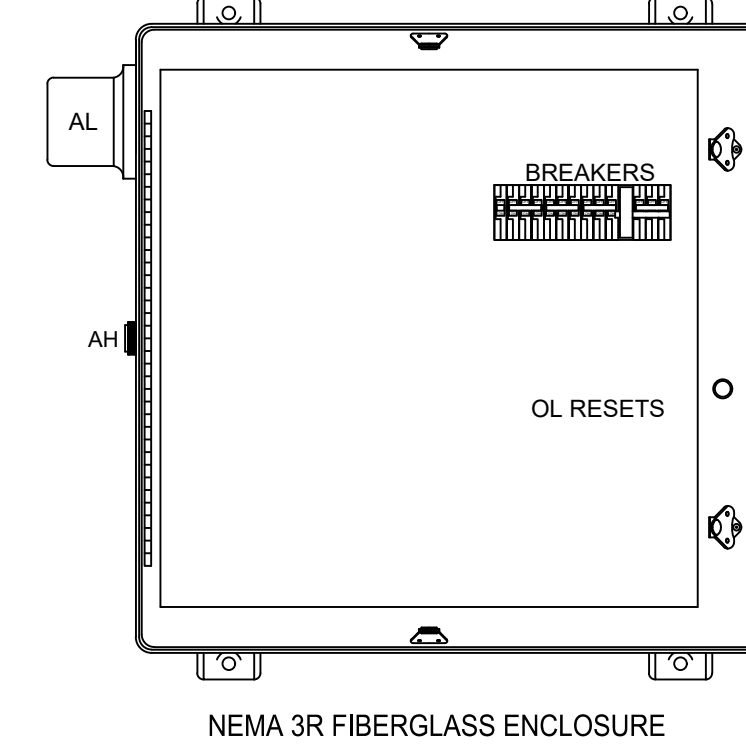
PUMP PACKAGE SHALL BE SUPPLIED BY BARNEY'S PUMPS INC. IN LAKELAND (863-665-8500), CORAL SPRINGS (954-346-0669), OR JACKSONVILLE (904-260-0669), FL.

ELECTRICAL DATA

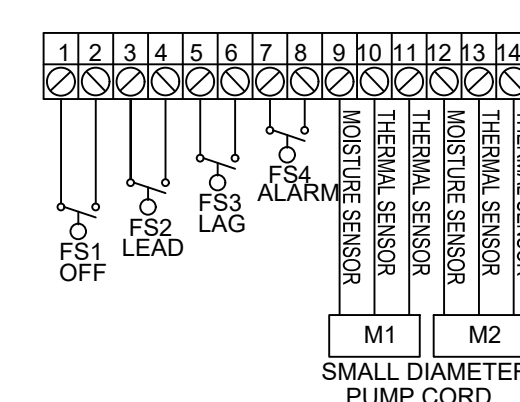
INCOMING POWER: 230 V 1 Ø
 (CONTRACTOR TO VERIFY)

ENCLOSURE AND DEADFRONT LAYOUT (TYPICAL)

(OUTER DOOR NOT SHOWN FOR CLARITY)



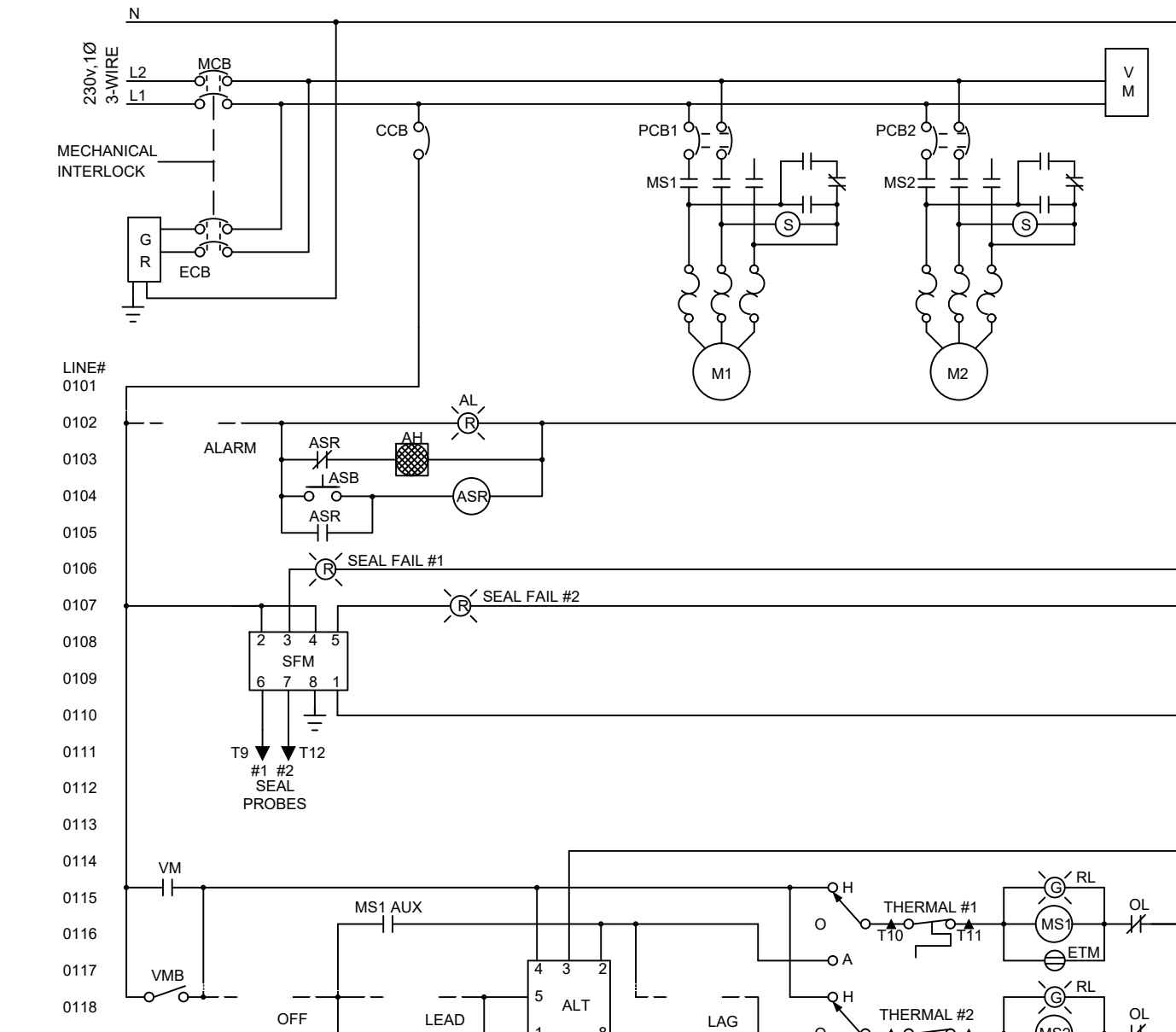
TERMINAL STRIP



LEGEND

ENC	ENCLOSURE
MCB	MAIN CIRCUIT BREAKER
ECB	EMERGENCY CIRCUIT BREAKER
PCB1,2	PUMP CIRCUIT BREAKER
CCB	CONTROL CIRCUIT BREAKER
MS1,2	MOTOR STARTER
OL	OVERLOAD HEATER
GR	GENERATOR RECEPTACLE
VM	VOLT MONITOR
ETM	ELAPSED TIME METER
ALT	ALTERNATOR
AH	ALARM HORN
AL	ALARM LIGHT
ASB	ALARM SILENCE BUTTON
HOA	HAND OFF AUTO SWITCH
VMB	VOLT MONITOR BYPASS
RL	RUN LIGHT
IL	INDICATING LIGHT
SFM	SEAL FAIL MODULE
ASR	ALARM SILENCE RELAY
	RUN CAPACITOR
	START RELAY
VM	VOLTAGE MONITOR
VMB	VOLTAGE MONITOR BYPASS

SINGLE PHASE WIRING DIAGRAM



CALL 2 WORKING DAYS BEFORE YOU DIG
 IT'S THE LAW!
 Know what's below. Call before you dig.
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

<p>ENCLOSED INDUSTRIAL CONTROL PANEL</p>	<p>BARNEY'S PUMPS, INC. PO BOX 3529, LAKELAND, FL 33802 PHONE: (863) 665-8500 FAX: (863) 666-3858</p>	
	<p>PANEL MANUFACTURER SHALL BE UL 508 AND UL 698A LISTED.</p>	<p>PROJECT: GRINDER DUPLEX FIBERGLASS LIFT STATION - SINGLE PHASE</p>
<p>CUSTOMER: _____ SALESPERSON: _____</p>		<p>REV. _____</p>
<p>DATE: 04/04/2014</p>	<p>DWG. #: WW2G6VFM_1PH</p>	<p>DRAWN BY: R.R.B.</p>

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	<p>NO. _____ DATE _____</p>
<p>RHA PROJECT 148-400080</p>	<p>EDWARD M. DEAN, P.E. FLORIDA LICENSE NUMBER LA 6667269</p>
<p>DATE: AUGUST 2022</p>	<p>CHECKED BY: EMD DATE: 8/12/2022</p>
<p>SCALE: AS SHOWN</p>	<p>DESIGNED BY: EMD</p>
<p>DRAWN BY: _____</p>	<p>FLORIDA</p>
<p>PARRISH COMMUNITY PARK PREPARED FOR MANATEE COUNTY</p>	<p>GRINDER LIFT STATION DETAILS</p>
<p>SHEET NUMBER C-702</p>	<p>MANATEE COUNTY</p>

Potted By: Dean, Ed. Street Set: Parrish Community Park. Layout: C-703 UTILITY DETAILS - August 12, 2022 - 10:31:33am. K:\NAP\JRG\1424400000 - Parrish Community Park\CAD\PlanSheets\C-600 - MISCELLANEOUS DETAILS.dwg
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MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

REVISIONS: UG-2

DATE OF APPROVAL: **February 25, 2020**

REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR C900-16 PVC PIPE (DR-18)

MAIN PIPE SIZE	HORIZ. BENDS			TEES								REDUCERS				PLUGS & VALVES	
	90°	45°	22.5°	SIZE				LENGTH				SIZE					
24	90	38	18	X24	X20	X18	X16	X12	X10	X8	X6	X4	X20	X16	X12	X10	214
20	78	32	16	X20	X16	X12	X10	X8	X6	X4	X2	X16	X12	X10	X8	184	
16	66	27	13	X16	X12	X10	X8	X6	X4	X2	X1	X12	X10	X8	X6	151	
12	52	22	10	X12	X10	X8	X6	X4	X2	X1	X1/2	X10	X8	X6	X4	118	
10	44	18	9	X10	X8	X6	X4	X2	X1	X1/2	X3/4	X8	X6	X4	X3	100	
8	37	15	7	X8	X6	X4	X2	X1	X1/2	X3/4	X1/2	X6	X4	X3	X2	83	
6	29	12	6	X6	X4	X2	X1	X1/2	X3/4	X1/2	X1/4	X4	X3	X2	X1	63	
4	21	8	4	X4	X3	X2	X1	X1/2	X3/4	X1/4	X1/8	X3	X2	X1	X1/2	45	

NOTES:

- RESTRAIN 11.25° BENDS 50% OF LENGTH FOR 22.5° BENDS.
- ALL VALVES AND FITTINGS SHALL BE RESTRAINED TO THE CONNECTING SECTIONS OF PIPE.
- ALL ISOLATION VALVES MUST BE PROPERLY ANCHORED OR RESTRAINED TO RESIST A 180 PSI TEST PRESSURE IN EITHER DIRECTION.
- PIPE SIZES ARE GIVEN IN INCHES.
- RESTRAINED PIPE LENGTHS ARE GIVEN IN FEET.
- LENGTHS SHOWN ARE FOR A TEST PRESSURE OF 180 PSI.
- THE RESTRAINED LENGTHS SHOWN IN THESE TABLES ARE BASED ON SOIL CLASSIFICATION SP WITH AWWA TYPE 3 TRENCH CONDITIONS, 180 PSI TEST PRESSURE, 3 FEET OF COVER AND 1.5 FACTOR OF SAFETY. ACTUAL BURY CONDITIONS MUST BE DETERMINED BY THE ENGINEER OF RECORD AND THE RESTRAINED LENGTHS MODIFIED ACCORDINGLY.
- RESTRAINED LENGTHS TO BE APPLIED TO PIPELINES PER DETAIL UG-10 RESTRAINED LENGTHS FOR PIPE.
- ALL RESTRAINED JOINT HARDWARE SHALL CONFORM TO 1.11.17 OF THE PUBLIC WORKS UTILITIES STANDARDS MANUAL.
- ALL THREE "LEGS" OF TEES SHALL BE RESTRAINED PER THE STATED LENGTH IN THE TABLE.

MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

REVISIONS: UG-8

DATE OF APPROVAL: **February 25, 2020**

MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

REVISIONS: UG-10

DATE OF APPROVAL: **February 25, 2020**

NOTES:

- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS.

MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

REVISIONS: UG-11

DATE OF APPROVAL: **February 25, 2020**

NOTES:

- BITUMINOUS PAVEMENT SHALL BE REMOVED IN CLEAN STRAIGHT LINES BY SAW CUTTING. WHERE BITUMINOUS PAVEMENT ADJACENT TO THE TRENCH SHALL BE TRIMMED TO A NEAT STRAIGHT LINE BEFORE RESURFACING TO ENSURE THAT ALL AREAS TO BE RESURFACED ARE ACCESSIBLE TO ROLLERS OR TAMPERS USED TO COMPACT THE SUB-GRADE OR PAVING MATERIALS.
- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ASPHALTIC CONCRETE STRUCTURE COURSE WITH PRIME COAT SHALL BE THE SAME DEPTH AND TYPE AS EXISTING OR A MINIMUM OF 1-1/4 INCH 5-1, WHICHEVER IS GREATER.
- MILL 25' BACK FROM TRENCH CROSSING SAW CUTS. ADJUST MILLING PER INDIVIDUAL SITE TO NOT IMPACT BASE. BUTT JOINT TO EXIST ASPHALT. FINAL OVERLAY TO MATCH EXISTING WITH NO DISCREPANCY "BUMP" AT JOINT. MILLING LIMITS THAT IMPACT INTERSECTION SHALL BE ADDRESSED ON A CASE BY CASE BASIS AND APPROVED BY MANATEE COUNTY.
- SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISHED GRADE OR 12" BELOW SUBGRADE.
- NEW BASE SHALL MATCH EXISTING; OR BE CRUSHED CONCRETE, 8" MIN. THICKNESS, LBR ≥150, WHICHEVER IS GREATER.
- TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIMES. PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.
- RESTORE SIGNAGE & MARKING WITH THERMOPLASTIC PER FDOT STANDARDS, LATEST EDITION.
- TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS.
- NOTES 5, THRU 10, ARE MINIMUM REQUIREMENTS FOR A TRENCH IN A LOCAL ROAD. REFER TO LATEST EDITION OF MANATEE COUNTY HIGHWAY AND TRAFFIC STANDARDS FOR ADDITIONAL REQUIREMENTS.

MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

REVISIONS: UG-12

DATE OF APPROVAL: **February 25, 2020**

MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

REVISIONS: UW-2

DATE OF APPROVAL: **February 25, 2020**

MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

REVISIONS: UW-23A

DATE OF APPROVAL: **February 25, 2020**

NOTES:

- A 2-INCH MINIMUM TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE POTABLE WATER MAINS AND PROPOSED NEW WATER MAIN IMPROVEMENTS WITH THE FOLLOWING EXCEPTIONS:
 - PROJECTS THAT INCLUDE A PERMANENT BACKFLOW PREVENTER AT THE RIGHT-OF-WAY WHICH IS ADJACENT TO THE EXISTING WATER MAIN;
 - PROJECTS THAT INCLUDE NEW WATER MAINS THAT ARE LESS THAN OR EQUAL TO 18 LINEAR FEET IN LENGTH; OR
 - OTHER PROPOSED CASES THAT ARE APPROVED BY MANATEE COUNTY AND THE CONSTRUCTION DRAWINGS SPECIFICALLY STATE THAT A TEMPORARY JUMPER CONNECTION IS NOT REQUIRED.
- A TEMPORARY JUMPER SHALL BE USED AND BE CONNECTED TO AN APPROVED POTABLE WATER SOURCE (E.G., EXISTING FIRE HYDRANT, EXISTING MAIN, EXISTING SERVICE TAP OR TANK TRUCK, ETC.) AS SHOWN IN THE STANDARD TEMPORARY JUMPER DETAIL UW-23A OR UW-23B.
- A TEMPORARY JUMPER SHALL BE USED FOR FILLING, FLUSHING AND FOR DISINFECTION OF ANY NEW MAIN OF ANY SIZE. THE TEMPORARY JUMPER CONNECTION SHALL BE MAINTAINED UNTIL AFTER THE FILLING, FLUSHING, TESTING AND DISINFECTION OF THE NEW MAIN HAS BEEN SUCCESSFULLY COMPLETED AND CLEARANCE FOR USE FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) HAS BEEN OBTAINED.
- THE LOCATION AND ORIENTATION OF TEMPORARY JUMPERS ASSOCIATED WITH CONNECTIONS TO EXISTING WATER MAINS THAT ARE LOCATED UNDER THE ROADWAY PAVEMENT SHALL BE APPROVED ON A CASE-BY-CASE BASIS.
- PIPE AND FITTINGS USED FOR CONNECTING THE NEW PIPE TO THE EXISTING PIPE SHALL BE DISINFECTED PRIOR TO INSTALLATION IN ACCORDANCE WITH AWWA C651, LATEST EDITION, UNLESS APPROVED OTHERWISE, THE TAPPING SLEEVE, AND EXTERIOR OF THE EXISTING MAIN TO BE TAPPED. PIPING WITHIN THE JUMPER AND NEW PIPING SHOWN ON STANDARD TEMPORARY JUMPER DETAIL UW-23A OR UW-23B SHALL BE DISINFECTED BY SPRAYING OR SWABING PER SECTION 4.6 OF AWWA C651.
- THE JUMPER SHALL INCLUDE A FLOW METER TO ENSURE THAT THE FLOW FROM THE SUPPLY SOURCE IS AT A CONSTANT MEASURED RATE WHILE CHLORINATING THE NEW MAIN. THE CHLORINE CONCENTRATION SHALL BE MEASURED AT REGULAR INTERVALS TO ENSURE THAT IT IS FED AT A CONSTANT RATE OF NOT LESS THAN 25 MILLIGRAMS PER LITER (MG/L) OF FREE CHLORINE.
- THE JUMPER CONNECTION SHALL ALSO BE USED TO MAINTAIN A MINIMUM PRESSURE OF 20 PSI IN THE NEW MAINS CONTINUOUSLY AFTER DISINFECTION AND UNTIL FDEP CLEARANCE LETTER IS OBTAINED.
- ALL TEMPORARY BACKFLOW PREVENTION ASSEMBLY OR "JUMPERS" UTILIZED DURING PIPELINE CONSTRUCTION MUST SHOW CERTIFICATION THAT THEY HAVE BEEN TESTED ANNUALLY AND PASSED ACCORDING TO THE FLORIDA BUILDING CODE, PLUMBING SECTION, CHAPTER 3, SECTION 312.9.1, 312.9.2, CHAPTER 6, SECTION 608, AND RESOLUTION R87-125. ANNUAL CERTIFICATION MUST BE VALID AT TIME OF INSTALLATION AND PROVIDED TO THE MANATEE COUNTY INSPECTOR UPON REQUEST.
- ALL INSTALLATION AND MAINTENANCE OF THE TEMPORARY JUMPER CONNECTION AND ASSOCIATED BACKFLOW PREVENTION ASSEMBLY, FLOW METER, FITTINGS, VALVES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- TEMPORARY JUMPER SIZE DEPENDS ON THE SITUATION: JUMPERS LARGER THAN 2-INCHES MAY BE USED FOR FLUSHING PURPOSES OR IF PARTIAL FIRE PROTECTION IS REQUIRED DURING INITIAL CONSTRUCTION, AS DETERMINED BY THE ENGINEER OF RECORD OR FIRE DEPARTMENT.
- PRIOR TO REMOVAL OF THE TEMPORARY JUMPER, THE NEWLY-CONSTRUCTED WATER SYSTEM SHALL HAVE RECEIVED CLEARANCE FROM THE FDEP.
- AFTER RECEIPT OF CLEARANCE FOR USE BY FDEP, MANATEE COUNTY, AND ALL OTHER PERTINENT AGENCIES, THE CONTRACTOR SHALL REMOVE THE TEMPORARY JUMPER CONNECTION AND COMPLETE THE WATER MAIN. ALL CORPORATION STOPS LEFT-IN-PLACE ARE TO BE CLOSED AND PLUGGED WITH 2-INCH BRASS.
- IF THE TEMPORARY JUMPER IS LOCATED WITHIN A STANDARD PIPE LENGTH AWAY FROM THE PROPOSED TIE-IN AND A SINGLE STANDARD LENGTH OF PIPE IS USED FOR COMPLETING THE CONNECTION, THEN THE COUNTY WILL PERFORM A VISUAL INSPECTION AND A SEPARATE HYDROSTATIC TEST MAY NOT BE REQUIRED.
- IF MULTIPLE LENGTHS OF PIPES ARE USED TO COMPLETE THE CONNECTION, THEN A SEPARATE HYDROSTATIC TEST WILL BE REQUIRED. THE HYDROSTATIC TEST SHALL BE PERFORMED BETWEEN THE PROPOSED TIE-IN VALVE AND THE FIRST DOWNSTREAM VALVE FROM THE TEMPORARY JUMPER LOCATION.

MANATEE COUNTY
PUBLIC WORKS DEPARTMENT

REVISIONS: UW-24

DATE OF APPROVAL: **February 25, 2020**

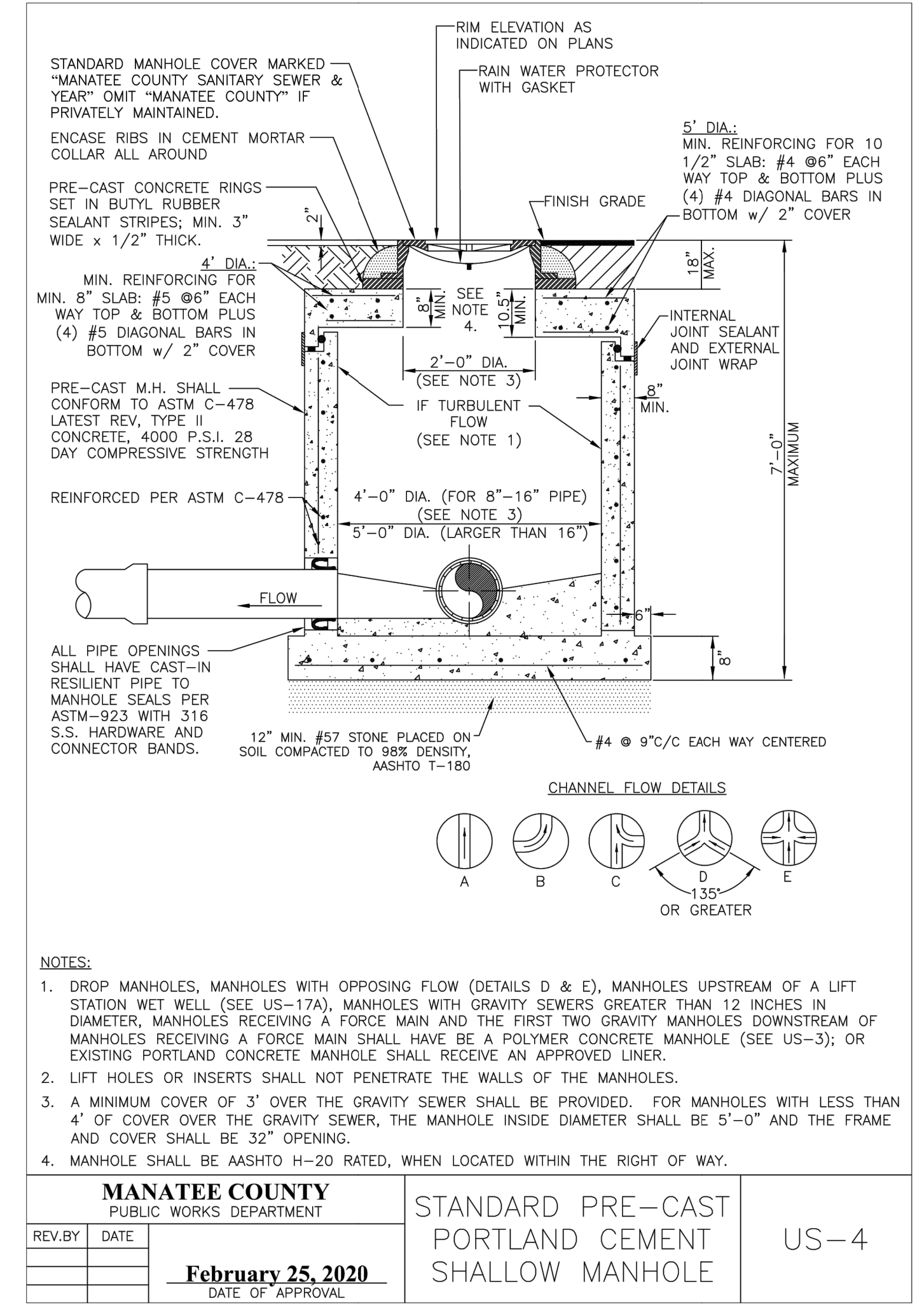
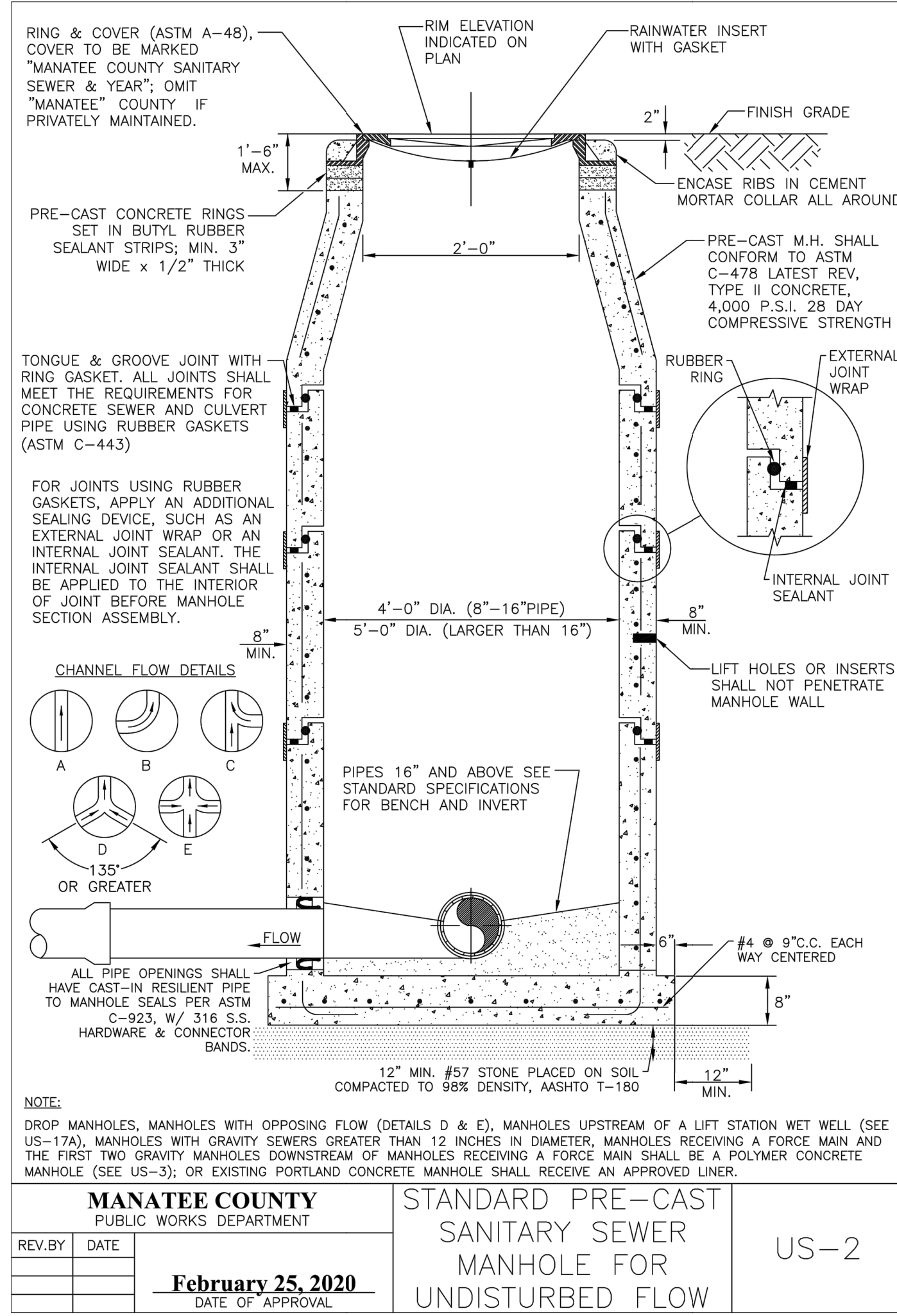
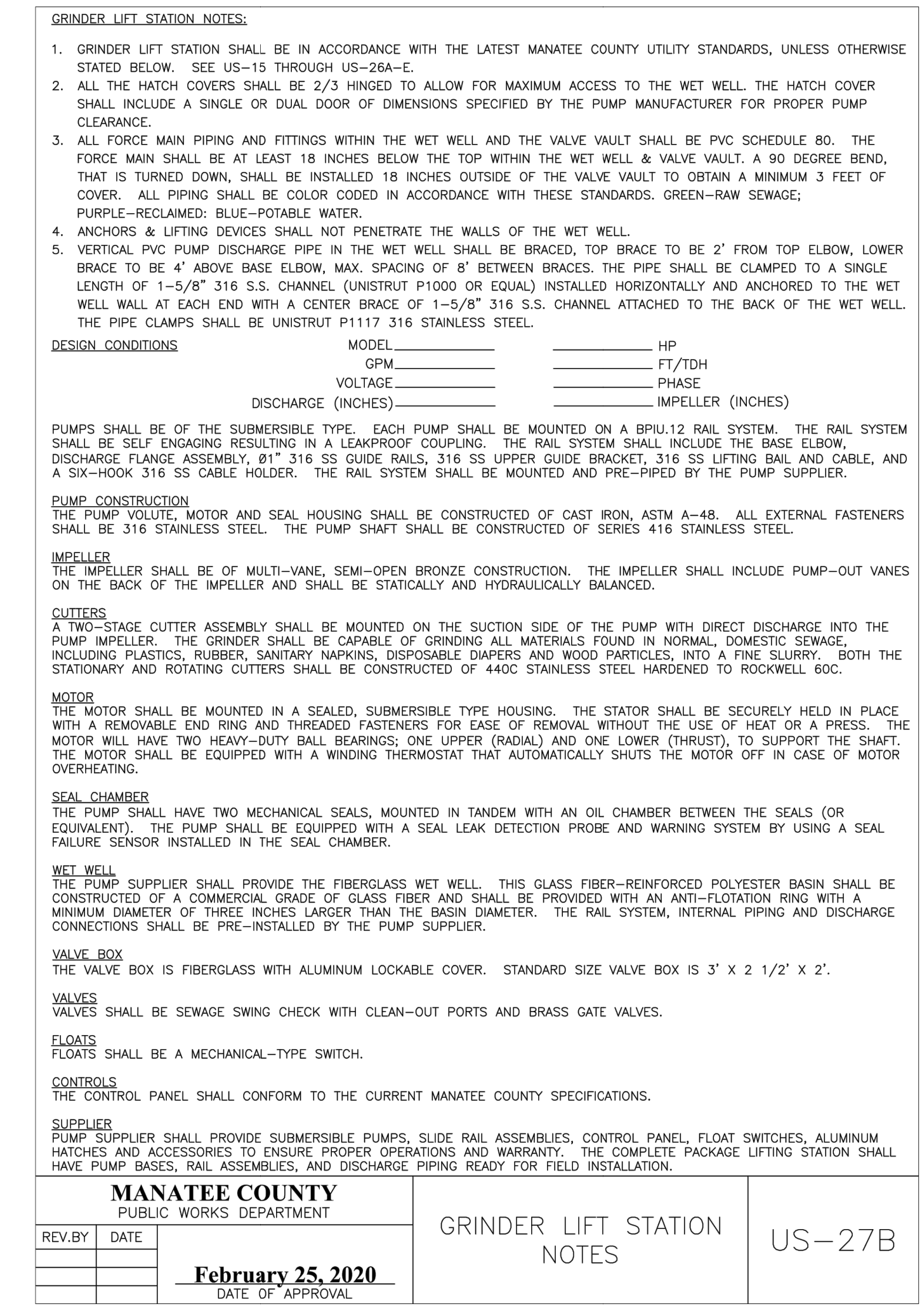
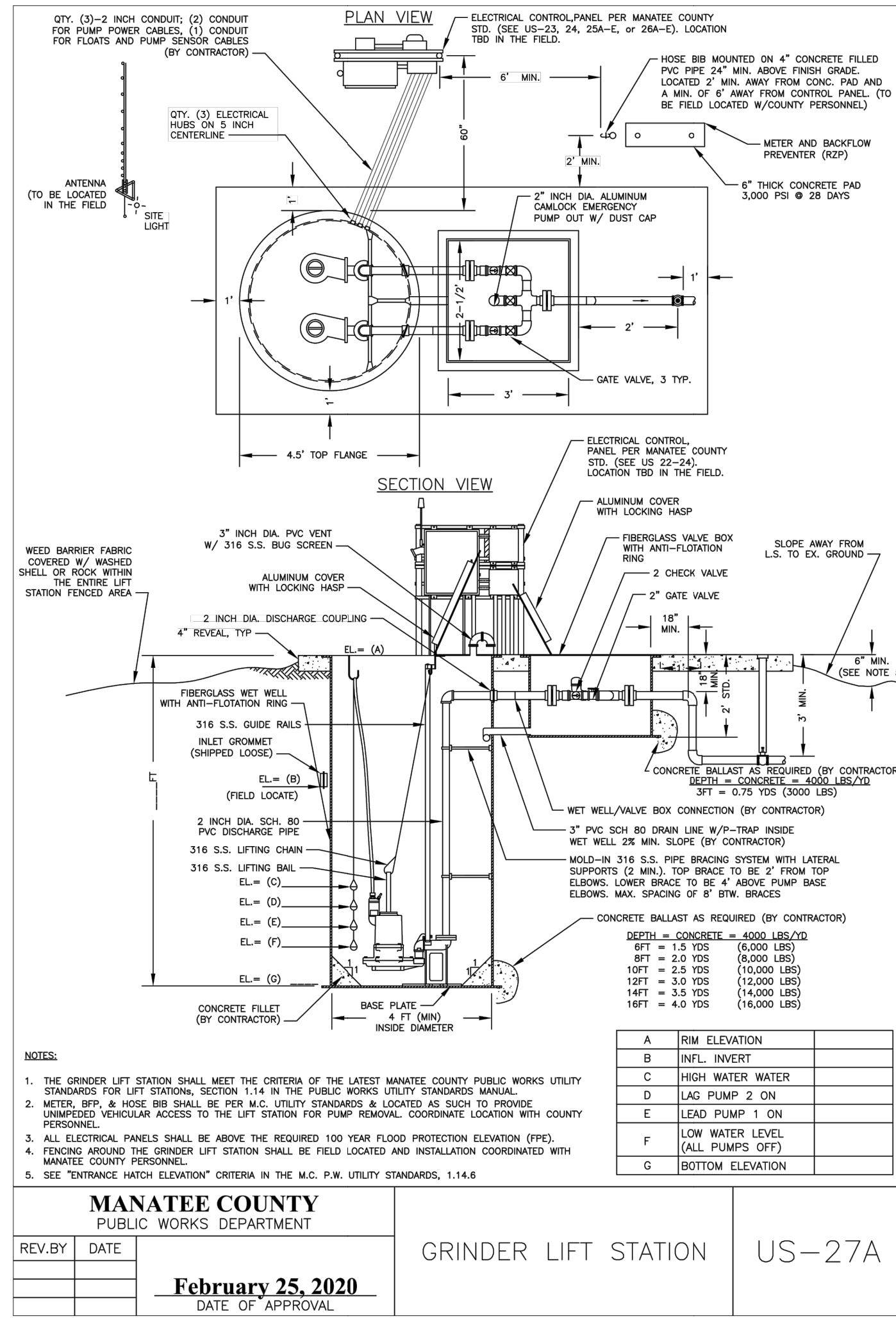
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EDWARD M. DEAN, P.E.
 FLORIDA LICENSE NUMBER LA 6667269
 DATE: 8/12/2022

UTILITY DETAILS
 PARRISH COMMUNITY PARK
 PREPARED FOR
 MANATEE COUNTY
 MANATEE COUNTY, FLORIDA

SHEET NUMBER
C-703

PARRISH COMMUNITY PARK - UTILITY DETAILS - August 12, 2022 - 10:31:49am - K:\SR\UR\G\148400080 - Parrish Community Park CAD PlanSheets\C-600 - MISCELLANEOUS DETAILS.dwg
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MANATEE COUNTY PUBLIC WORKS DEPARTMENT

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 DATE: 8/12/2022

UTILITY DETAILS

KHA PROJECT 148-00080
 DATE AUGUST 2022
 SCALE AS SHOWN
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 CHECKED BY EMD

PARRISH COMMUNITY PARK
 PREPARED FOR
MANATEE COUNTY

FLORIDA
 MANATEE COUNTY

SHEET NUMBER
C-704

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: E-200 SITE ELECTRICAL PLAN - August 12, 2022 10:32:22am K:\SAS_LRC\148400080 - Parrish Community Park\CAD\PlanSheets\E-200 - SITE ELECTRICAL PLAN.dwg
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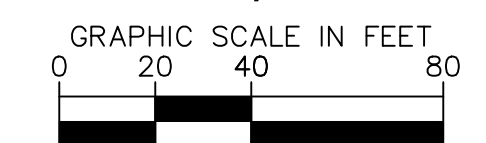
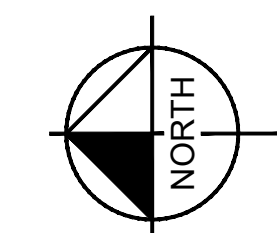


ELECTRICAL LEGEND

SYMBOL DESCRIPTION

NOTES

- ELECTRICAL DISTRIBUTION NOT SHOWN, TO BE PROVIDED AT 60% DESIGN



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 LA 6667269
 CHECKED BY: EMD DATE: 8/12/2022

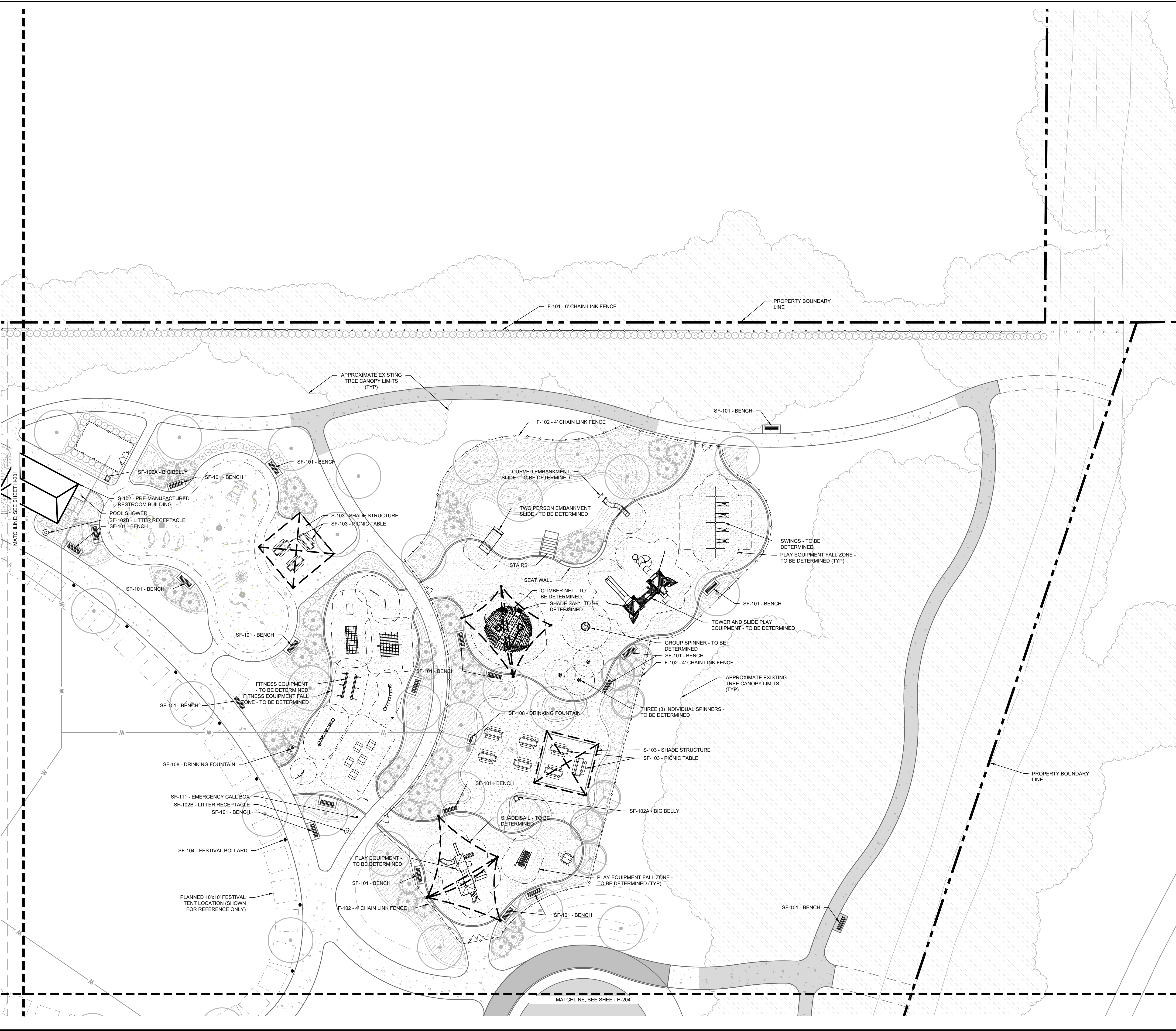
KHA PROJECT
 148-400080
 DATE
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**SITE ELECTRICAL
 PLAN**

**PARRISH
 COMMUNITY PARK**
 PREPARED FOR
MANATEE COUNTY
 FLORIDA

SHEET NUMBER
F-200

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STRUCTURES AND SHELTERS LEGEND		
SYMBOL	DESCRIPTION	DETAIL
	S-101 - PRE-MANUFACTURED PERFORMANCE PAVILION	TBD / H-301
	S-102 - PRE-MANUFACTURED RESTROOM 20' x 30' BUILDING, 6 RESTROOMS (3 MEN, 3 WOMEN)	TBD / H-301
	S-103 - SHADE STRUCTURE 24' X 24' SHELTER	TBD / H-301
	S-104 - PICNIC SHELTER 25' X 40' PICNIC SHELTER	TBD / H-301
	S-105 - TENSILE SHADE STRUCTURE 22' x 28' FABRIC FOUR POLE SHADE STRUCTURE	TBD / H-301

FENCING AND GATE LEGEND		
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	F-101 - 6' HT BLACK VINYL COATED CHAIN LINK FENCE	TBD / H-301
	F-102 - 4' HT CHAIN LINK FENCE BLACK VINYL COATED FENCE	TBD / H-301
	F-102G - 4' WIDE PEDESTRIAN GATE PEDESTRIAN SINGLE SWING GATE SHALL MATCHING STYLE OF F-102 FENCE	TBD / H-301
	F-102M - 8' WIDE MAINTENANCE GATE MAINTENANCE ACCESS DOUBLE SWING GATE SHALL MATCHING STYLE OF F-102 FENCE	TBD / H-301
	F-103 - 4' HT WOOD SPLIT 2-RAIL FENCE	TBD / H-301

FURNISHING LEGEND		
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	SF-102B - LITTER RECEPTACLE STANDARD CAPACITY LITTER RECEPTACLE	TBD / H-301
	SF-103 - PICNIC TABLE	TBD / H-301
	SF-104 - POWER SUPPLY BOLLARD	TBD / H-301
	SF-105 - FOOD TRUCK BOLLARD	TBD / H-301
	SF-106 - MONUMENT SIGN	TBD / H-301
	SF-107 - DOG WATERING BOWL	TBD / H-301
	SF-108 - CHILLED DRINKING FOUNTAIN	TBD / H-301
	SF-109 - BICYCLE RACK	TBD / H-301
	SF-110 - FLAG POLE POLE HEIGHTS VARY (35' TO 40')	TBD / H-301
	SF-111 - EMERGENCY CALL BOX	TBD / H-301

NOTES
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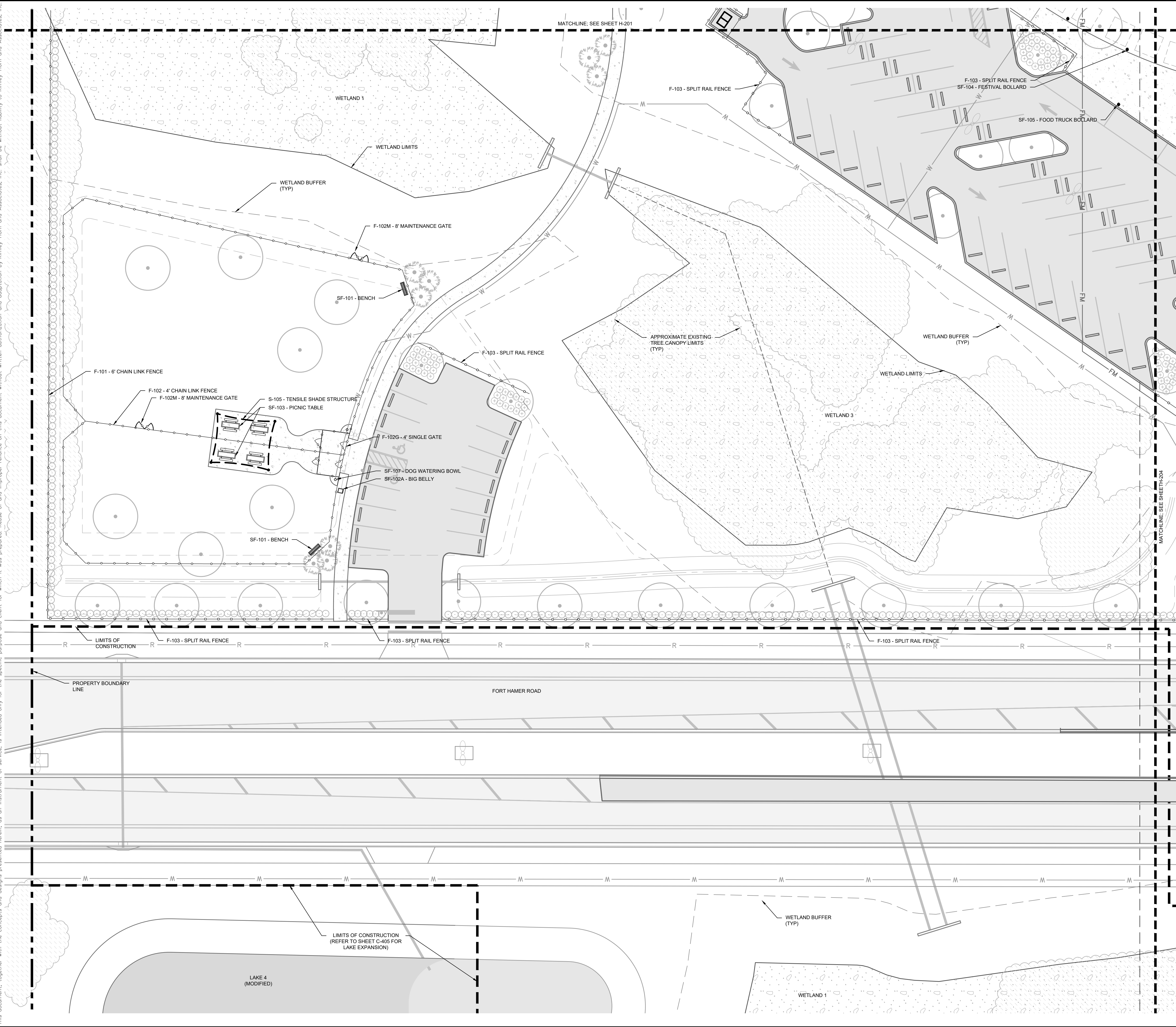
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No.	DATE	BY					

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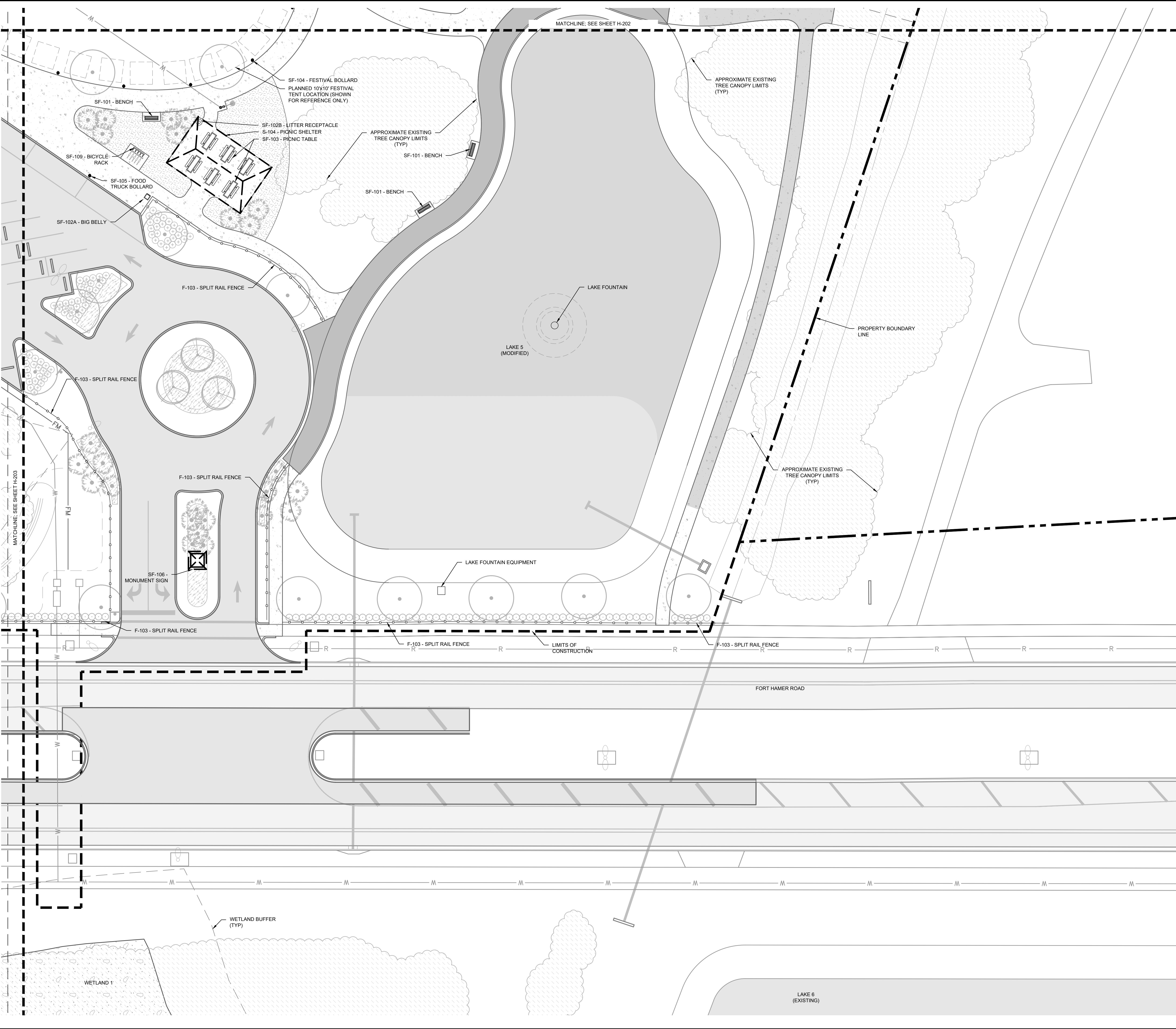
KHA PROJECT 148-400080	EDWARD M. DEAN, PLA
DATE AUGUST 2022	FLORIDA LICENSE NUMBER LA 6667269
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DESIGNED BY EMD	DATE 8/12/2022
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FENCING AND
FURNISHING PLAN

**PARRISH
COMMUNITY PARK**
 PREPARED FOR
MANATEE COUNTY
 MANATEE COUNTY FLORIDA

SHEET NUMBER
H-203

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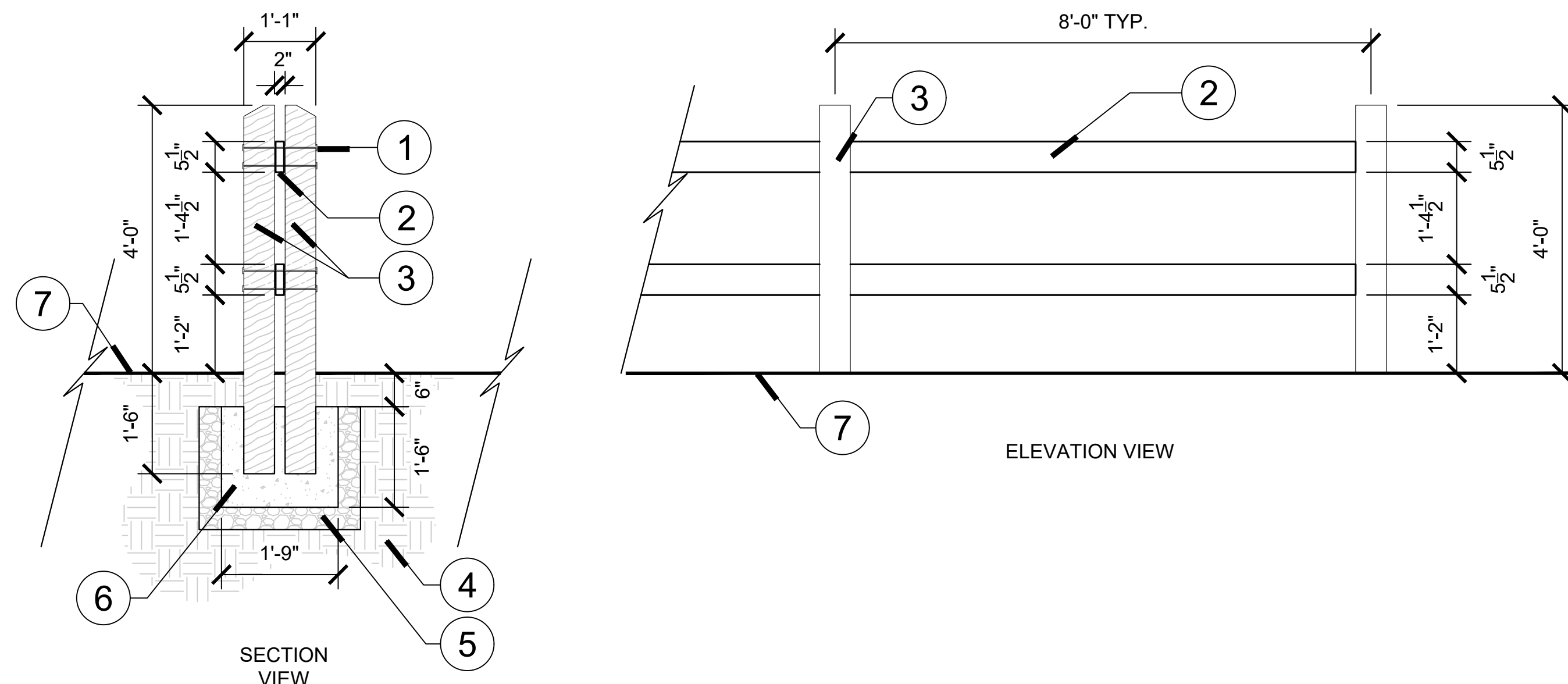
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<small>KHA PROJECT 148-400080</small>	<small>DATE AUGUST 2022</small>	<small>SCALE AS SHOWN</small>	<small>DESIGNED BY EMD</small>	<small>CHECKED BY EMD</small>
<small>EDWARD M. DEAN, PLA</small>	<small>FLORIDA LICENSE NUMBER LA 6667269</small>	<small>DATE 8/12/2022</small>	<small>REVISIONS</small>	<small>DATE</small>

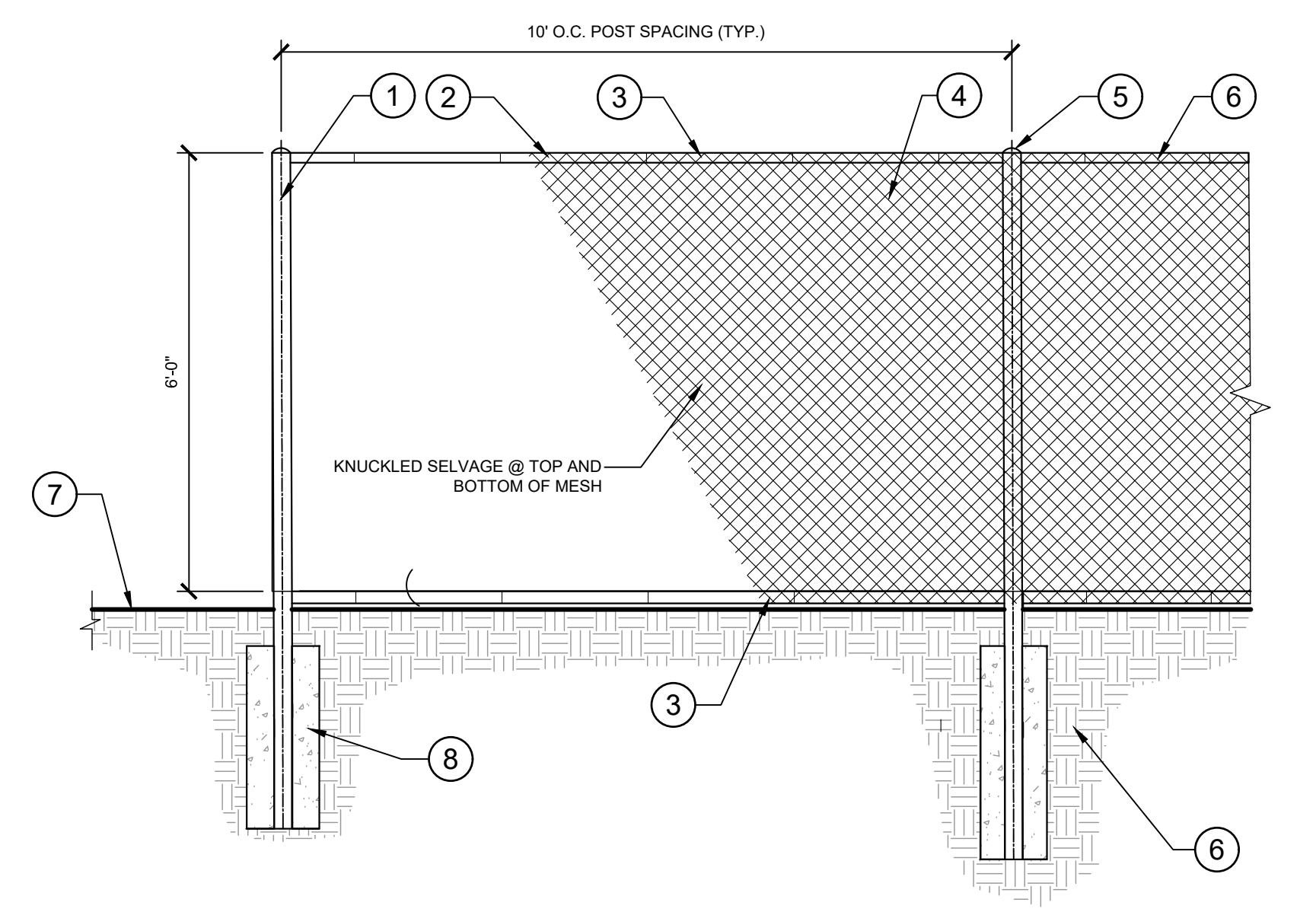
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- ① FENCE RAIL LUMBER AFFIXED TO FENCE POST LUMBER VIA LAG BOLT ASSEMBLY.
- ② FENCE RAIL - 2X6" PRESSURE TREATED LUMBER COLOR AND FINISH TBD
- ③ FENCE POST - 6X6 PRESSURE TREATED LUMBER COLOR AND FINISH TBD
- ④ EXISTING SUB GRADE, TYP.
- ⑤ 4" COMPACTED AGGREGATE BASE, TYP.
- ⑥ 3,000 PSI CONCRETE BASE, TYP.
- ⑦ FINISH GRADE, SEE CIVIL PLANS

① WOOD FENCE
H-301

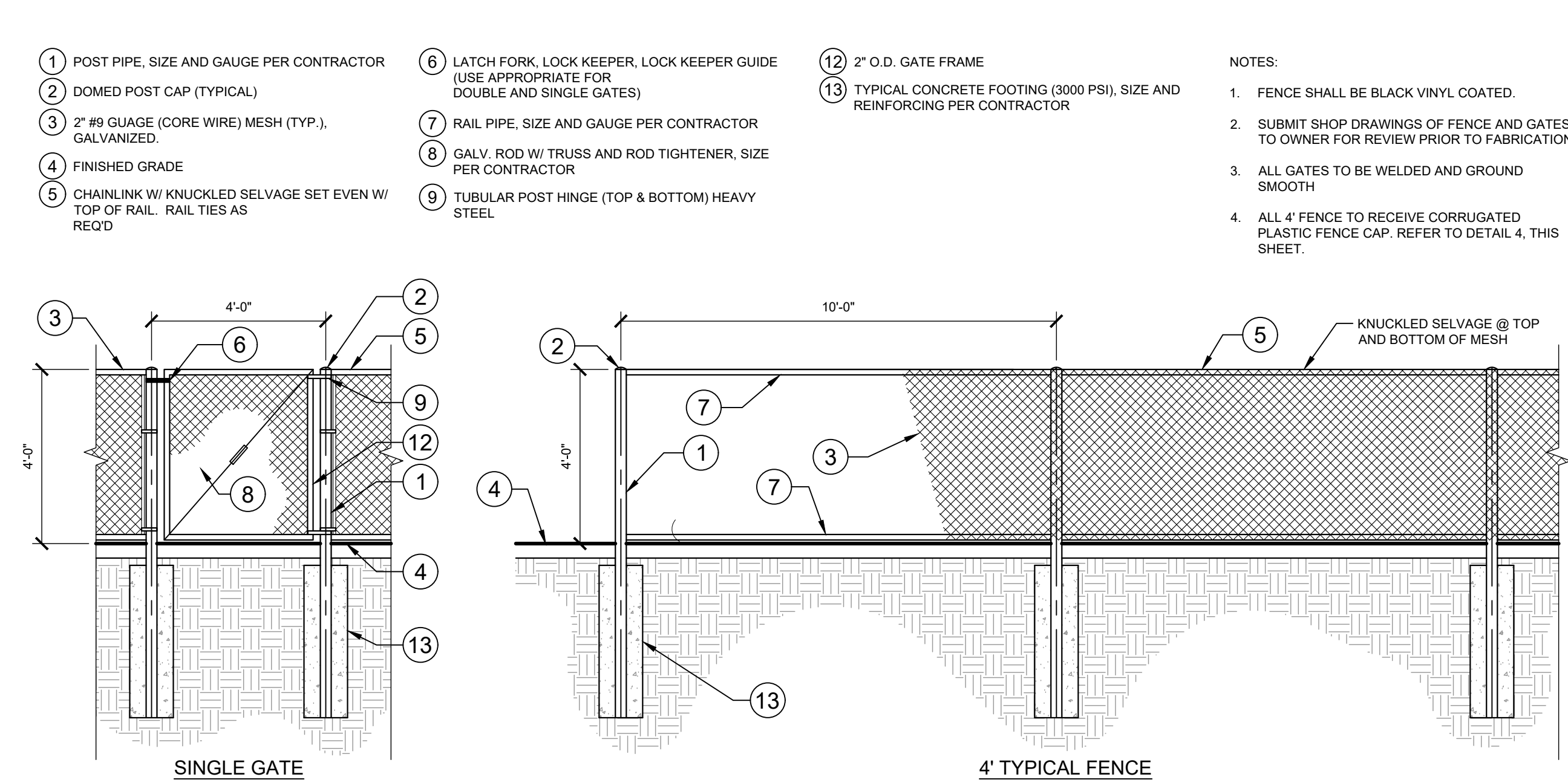
NTS
148-400-080-89



- ① 3" (2.875") O.D. LINE POST PIPE @ 5.79 LBS/FT, TIES AS REQ'D.
 - ② CHAIN LINK W/ KNUCKLED SELVAGE SET EVEN W/ TOP OF RAIL. RAIL TIES AS REQ'D.
 - ③ #9 GAUGE CONTINUOUS BLACK VINYL TENSION WIRE AS REQ'D
 - ④ 2" #9 GAUGE (CORE WIRE) MESH (TYP.) WITH VINYL COATING. COLOR: BLACK
 - ⑤ DOMED POST CAP (TYPICAL)
 - ⑥ 1.58" O.D. RAIL PIPE; 2.27 LBS/ FT
 - ⑦ FINISHED GRADE
 - ⑧ TYPICAL CONCRETE FOOTING (3000 PSI) PER MANUFACTURER
- NOTES:
 1. FENCE SHALL BE GALVANIZED CHAIN LINK W/ BLACK VINYL COATING.
 2. SEE PLAN FOR FENCE HEIGHTS.
 3. SUBMIT SHOP DRAWINGS OF FENCE TO OWNER FOR REVIEW PRIOR TO FABRICATION.

② 6" BLACK VINYL CHAIN LINK FENCE
H-301

NTS

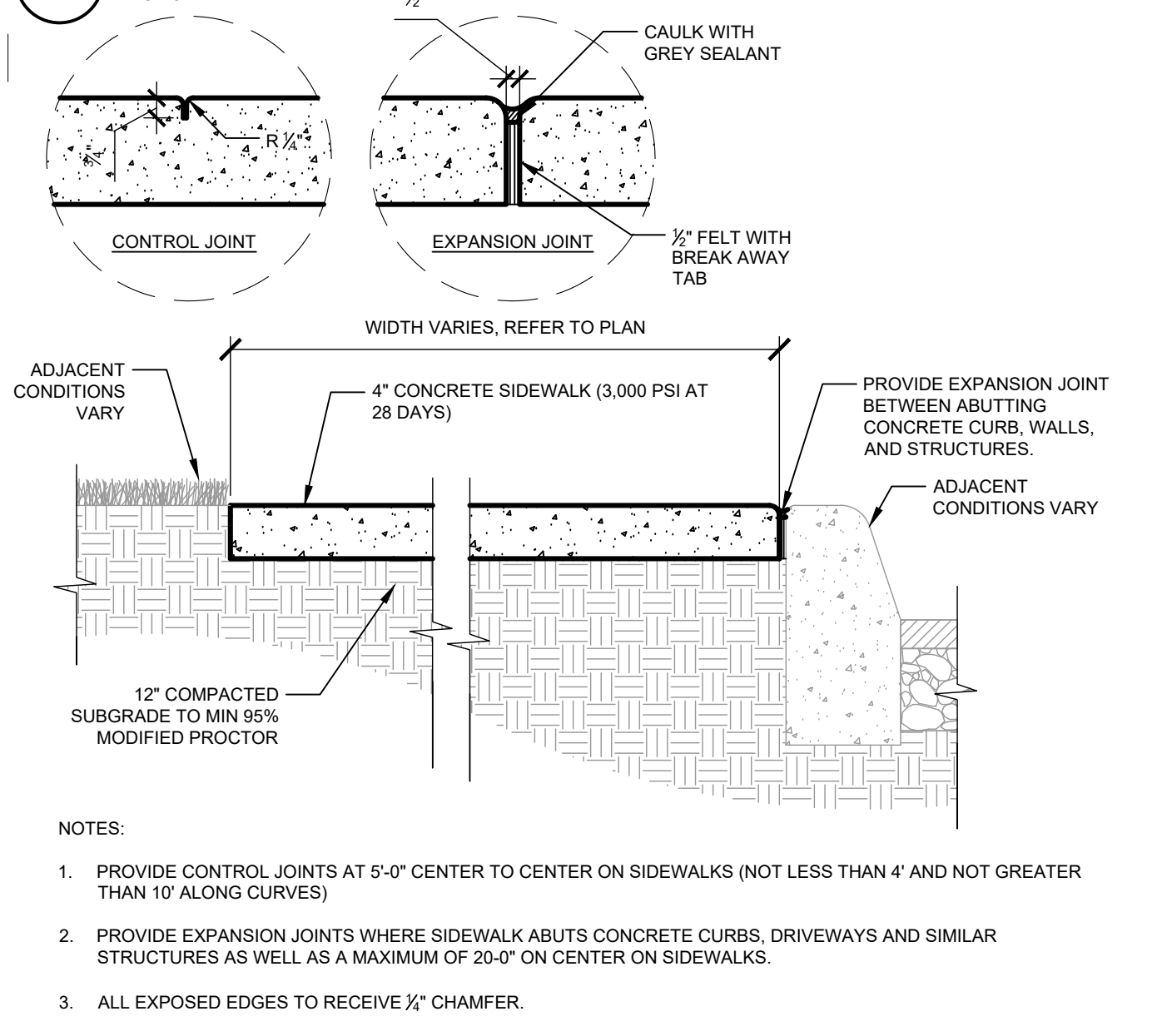


- ① POST PIPE, SIZE AND GAUGE PER CONTRACTOR
- ② DOMED POST CAP (TYPICAL)
- ③ 2" #9 GAUGE (CORE WIRE) MESH (TYP.), GALVANIZED.
- ④ FINISHED GRADE
- ⑤ CHAIN LINK W/ KNUCKLED SELVAGE SET EVEN W/ TOP OF RAIL. RAIL TIES AS REQ'D
- ⑥ LATCH FORK, LOCK KEEPER, LOCK KEEPER GUIDE (USE APPROPRIATE FOR DOUBLE AND SINGLE GATES)
- ⑦ RAIL PIPE, SIZE AND GAUGE PER CONTRACTOR
- ⑧ GALV. ROD W/ TRUSS AND ROD TIGHTENER, SIZE PER CONTRACTOR
- ⑨ TUBULAR POST HINGE (TOP & BOTTOM) HEAVY STEEL
- ⑫ 2" O.D. GATE FRAME
- ⑬ TYPICAL CONCRETE FOOTING (3000 PSI), SIZE AND REINFORCING PER CONTRACTOR

- NOTES:
 1. FENCE SHALL BE BLACK VINYL COATED.
 2. SUBMIT SHOP DRAWINGS OF FENCE AND GATES TO OWNER FOR REVIEW PRIOR TO FABRICATION.
 3. ALL GATES TO BE WELDED AND GROUND SMOOTH
 4. ALL 4" FENCE TO RECEIVE CORRUGATED PLASTIC FENCE CAP. REFER TO DETAIL 4. THIS SHEET.

③ 4" VINYL COATED CHAIN LINK FENCE AND GATES
H-301

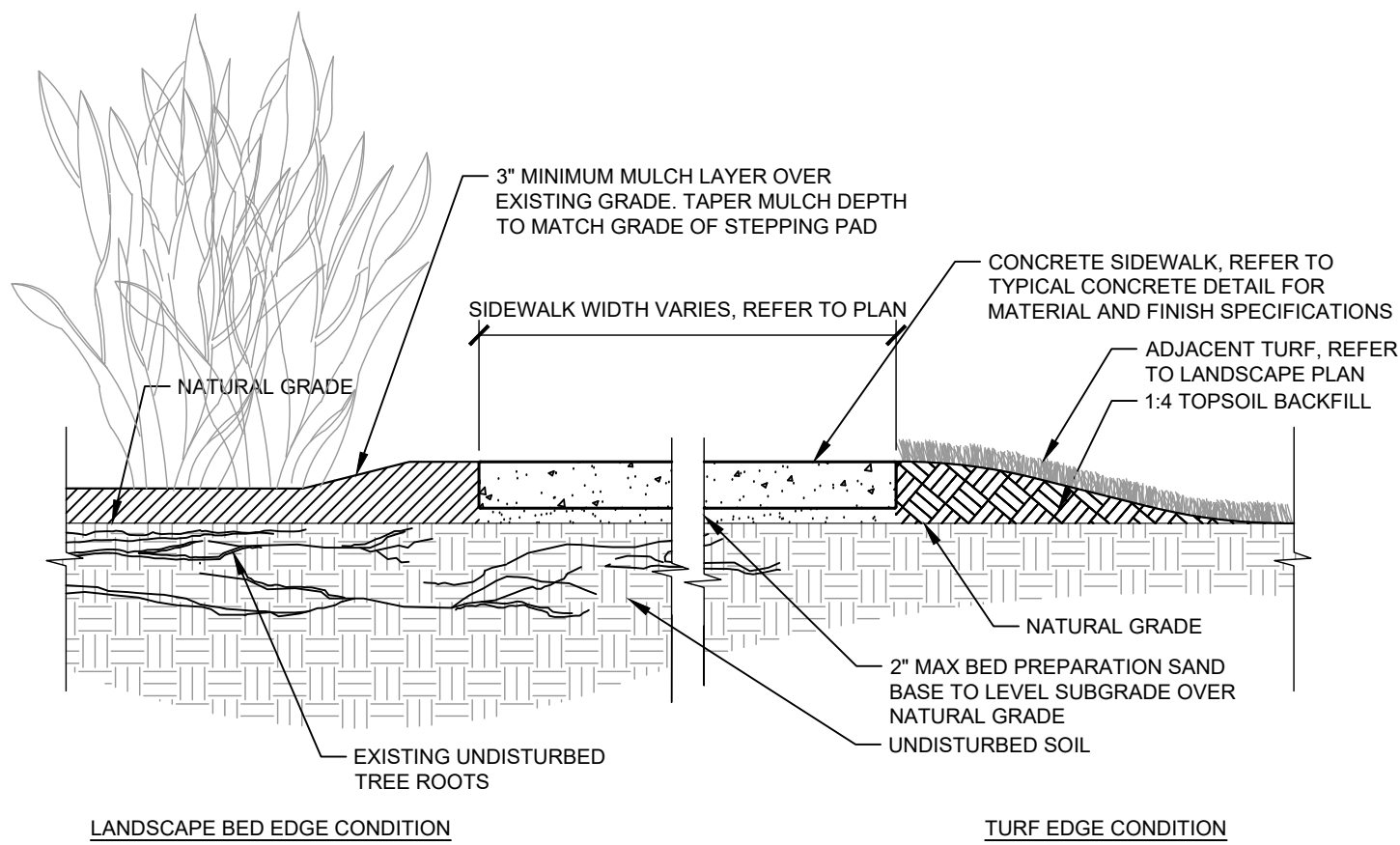
3/8" = 1'-0"
148-400-080-15



- NOTES:
 1. PROVIDE CONTROL JOINTS AT 5'-0" CENTER TO CENTER ON SIDEWALKS (NOT LESS THAN 4' AND NOT GREATER THAN 10' ALONG CURVES)
 2. PROVIDE EXPANSION JOINTS WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES AS WELL AS A MAXIMUM OF 20'-0" ON CENTER ON SIDEWALKS.
 3. ALL EXPOSED EDGES TO RECEIVE 1/2" CHAMFER.

④ TYPICAL CONCRETE SIDEWALK
H-301

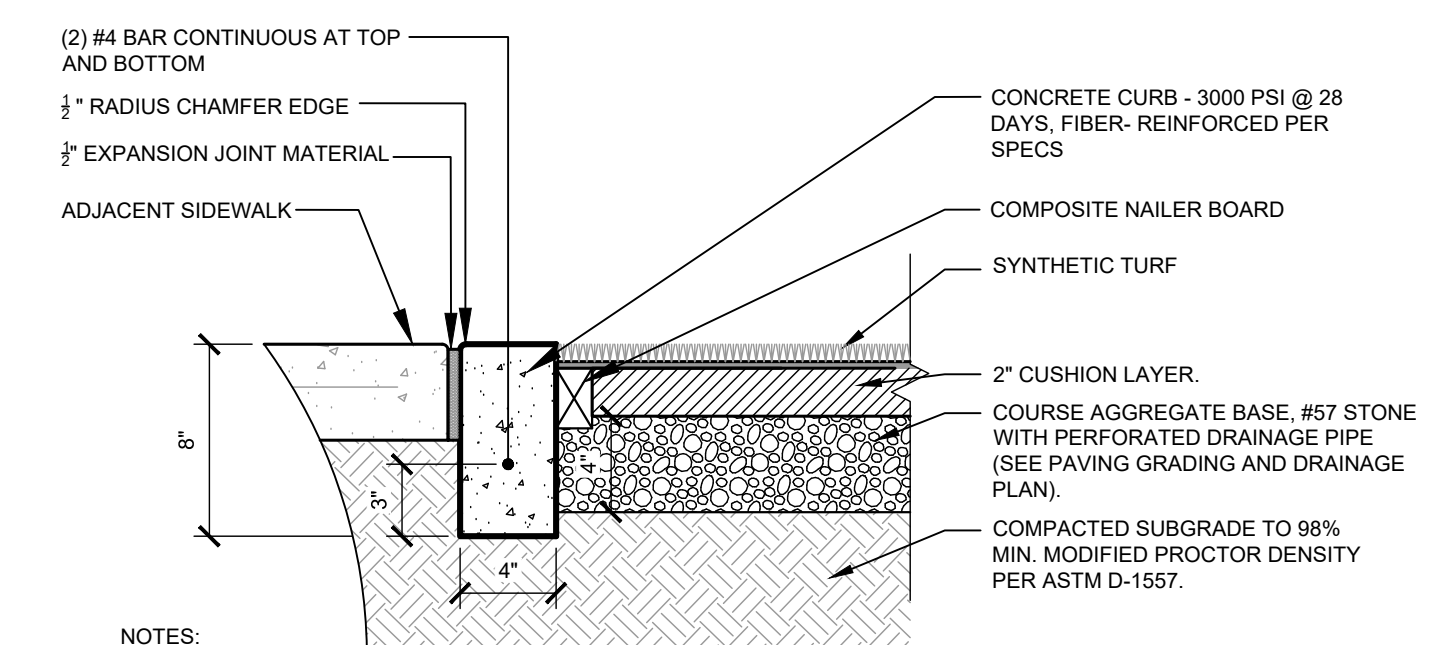
NTS



- NOTES:
 1. SIDEWALK PROPOSED OVER AREA EXPECTED TO CONTAIN TREE ROOTS. EXISTING TREE ROOTS NOT TO BE DISTURBED.

⑤ CONCRETE SIDEWALK ON GRADE
H-301

3/4" = 1'-0"
148-400-080-28



- NOTES:
 1. EXPANSION JOINTS @ 30' O.C., CONTROL JOINTS @ 10' O.C. MAX.
 2. CURB COLOR TO BE NATURAL CONCRETE. SUBMIT ADMIXTURE AND SEALANT SAMPLES FOR APPROVAL PRIOR TO CONSTRUCTION
 3. PLAYGROUND UNDER DRAINS TO BE COORDINATED WITH PLAYGROUND DESIGN DETAIL X
 4. BASE MAT THICKNESS TO BE COORDINATED WITH PLAYGROUND DESIGN TO MEET NPDI STANDARDS FOR FALL HEIGHT OF PLAYGROUND EQUIPMENT.

⑥ RIBBON CURB / ARTIFICIAL TURF PLAY SURFACE
H-301

NTS

⑦ ARTIFICIAL TURF
H-301

NTS
148-400-080-78

**30% PRELIMINARY DESIGN
(NOT FOR CONSTRUCTION)**

NO.	REVISIONS	DATE	BY

Kimley»Horn

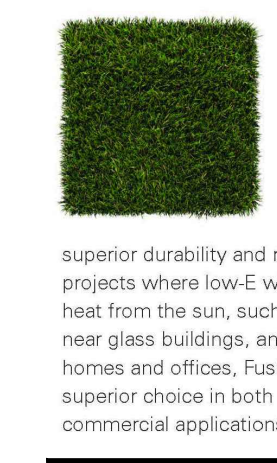
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 1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236
 PHONE: 941-579-7800
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696

KHA PROJECT	148-400080
DATE	AUGUST 2022
SCALE	AS SHOWN
DESIGNED BY	EMD
DRAWN BY	EMD
CHECKED BY	EMD
DATE	8/12/2022

EDWARD M. DEAN, P.L.A.
FLORIDA LICENSE NUMBER
LA 6667269

DETAILS

PARRISH COMMUNITY PARK
PREPARED FOR
MANATEE COUNTY
FLORIDA



Fusion Elite surpasses standard artificial grass products in overcoming the effects of reflective heat, while providing superior durability and realism. For projects where low-E windows reflect heat from the sun, such as on rooftops, near glass buildings, and around newer homes and offices, Fusion Elite is the superior choice in both residential and commercial applications.



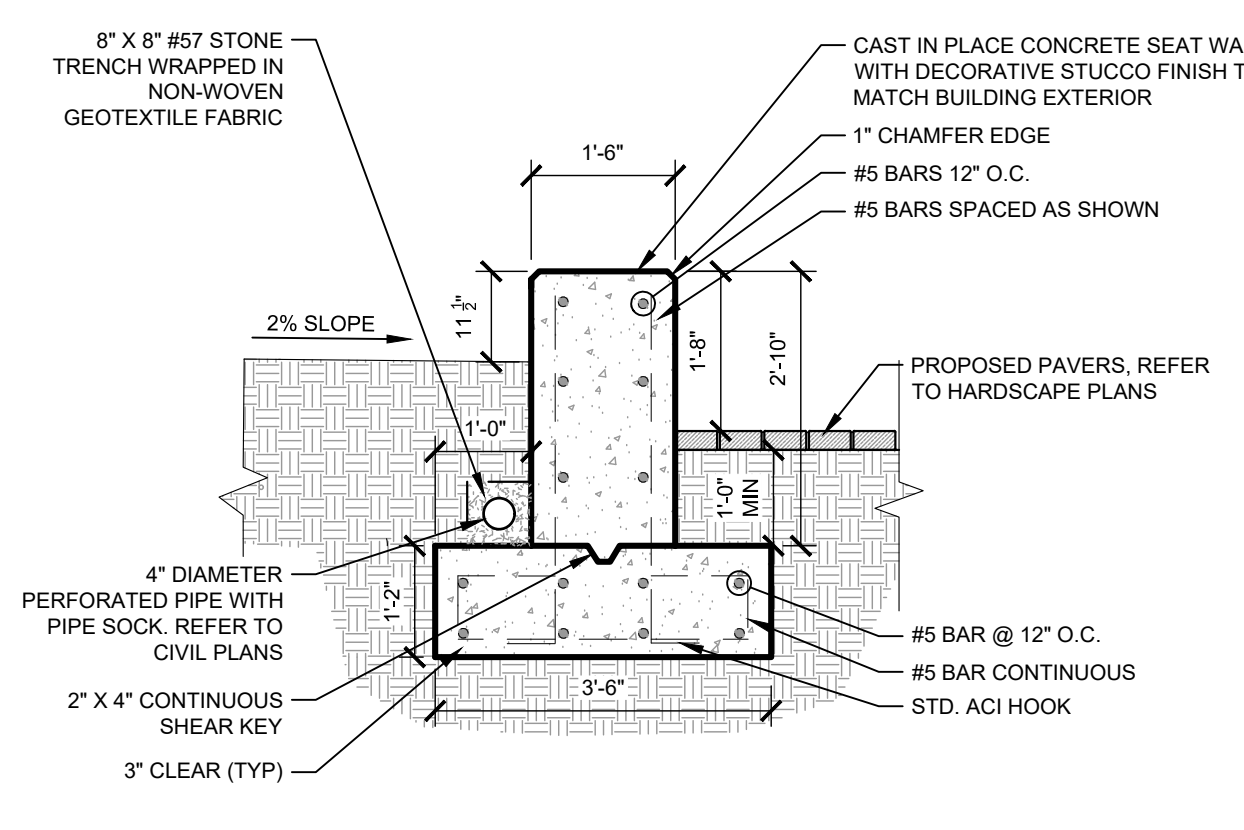
Fusion Pro combines the strength and heat resistance of the Legacy Fiber yarn with a shorter, more dense construction. This design gives Fusion Pro the resiliency to perform better in high traffic areas, while maintaining its healthy and vibrant appearance. Fusion Pro is ideal for wedding lawns, event centers, in front of stores, and other active venues.

Components	Fusion Elite	Fusion Pro
Yarn Type	• Primary: Nylon monofilament • Secondary: Textured nylon monofilament	• Primary: Nylon monofilament • Secondary: Textured nylon monofilament
Yarn Color	• Primary: Verde/lime/tan • Secondary: Fieldolive green	• Primary: Verde/lime/tan • Secondary: Fieldolive green
Yarn Count	• Primary: 9200/B • Secondary: 4950/B	• Primary: 9200/B • Secondary: 4950/B
Tufting Construction	• Dual yarn, same row	• Dual yarn, same row
Tufting Gauge	• 3/8"	• 3/8"
Blade Height	• 1 3/4"	• 1 1/4"
Face Weight	• 50 oz. *	• 45 oz. *
Total Product Weight	• 110 oz. *	• 105 oz. *
Backing	• Three-layer premium backing including Bio-Cal™ polyurethane and geotex non-woven fabric.	• Three-layer premium backing including Bio-Cal™ polyurethane and geotex non-woven fabric.
Seaming	• Micromechanical bonding	• Micromechanical bonding
Infill	• 4 lbs. +/- of rounded sand pat. (depending on application)	• 3.5 lbs. +/- of rounded sand pat. (depending on application)

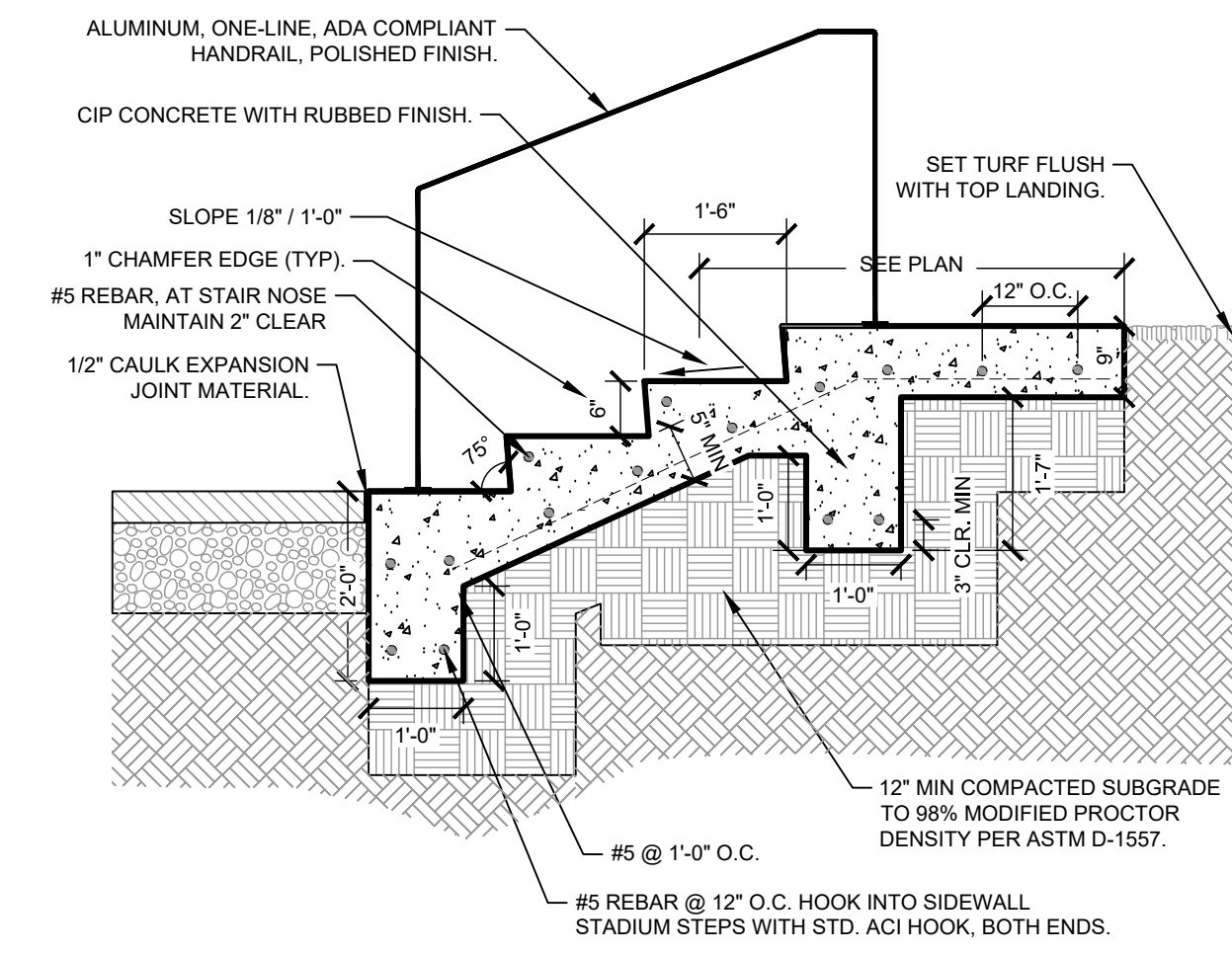
*Product heights shown may have a variance of 1/8" and product weights shown may have a variance of 2%.

MANUFACTURER: FOREVER LAWN (OR APPROVED EQUAL)
 SPECIFICATION: FUSION PRO
 BLADE HEIGHT: 1 1/4"
 BACKING: THREE LAYER PREMIUM POLYURETHANE AND GEOTEX NON-WOVEN FABRIC BACKING
 INFILL: NONE, INSTALL WITHOUT INFILL
 INSTALLATION: REFER TO DETAIL 6 THIS SHEET.

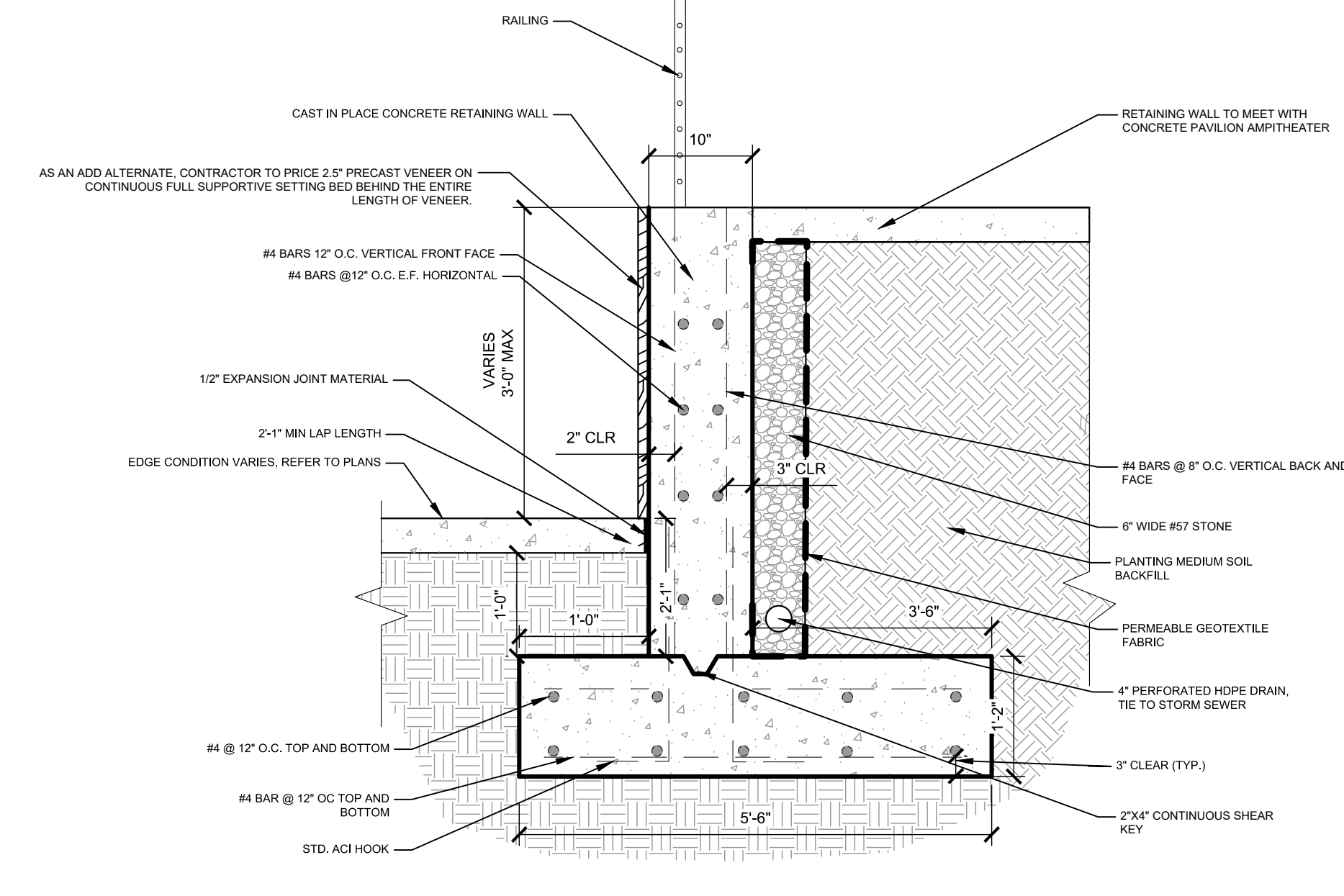
Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: H-302 DETAILS - August 12, 2022 - 10:34:03am. K:\SAR-URG\148400080 - Parrish Community Park CAD\PlanSheets\H-302 - DETAILS.dwg
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- NOTES:
1. MINIMUM 28-DAY CONCRETE COMPRESSIVE STRENGTH, $f_c=4,000$ PSI.
 2. REINFORCEMENT SHALL CONFORM TO ASTM 615, GRADE 60, $F_y=60,000$ PSI.
 3. COMPACT SOIL TO 1'-0" MINIMUM BELOW FOUNDATION TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY.
 4. FINISH TO BE STUCCO CONCRETE.
 5. ALL CONCRETE FORMWORK TO BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO POURING WALL.
 6. FORM WORK SHALL UTILIZE MASONRY BOARD WITH FORM RELEASE AGENT, APPLIED TO ACHIEVE SMOOTH CURVED WALLS.

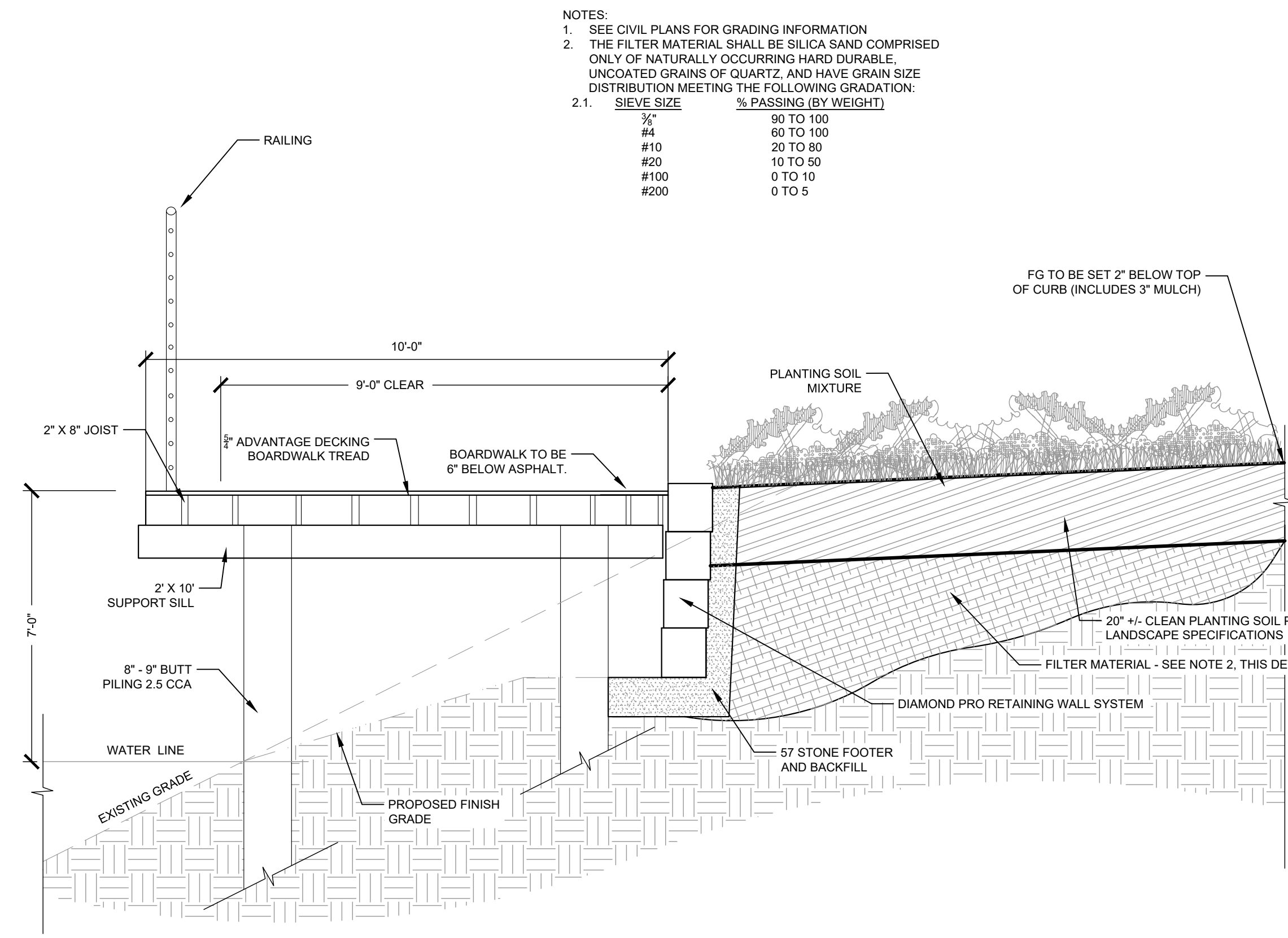


NOTE:
CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.



- NOTES:
1. MINIMUM 28-DAY CONCRETE COMPRESSIVE STRENGTH, $f_c=4,000$ PSI.
 2. REINFORCEMENT SHALL CONFORM TO ASTM 615, GRADE 60, $F_y=60,000$ PSI.
 3. COMPACT SOIL TO 1'-0" MINIMUM BELOW FOUNDATION TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY.
 4. FINISH TO BE SMOOTH CONCRETE.

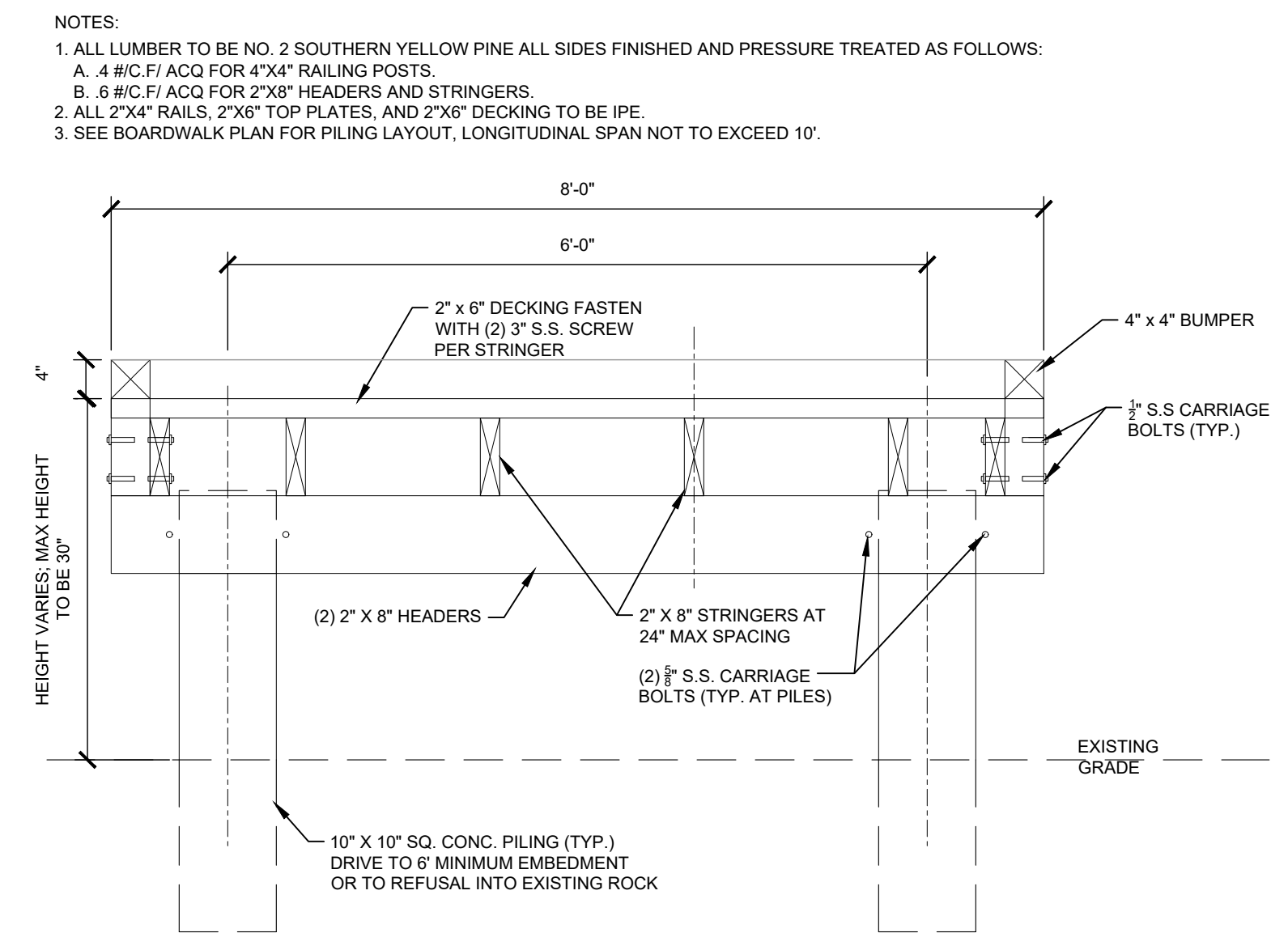
1 SEAT WALL 1/2" = 1'-0" 2 TYPICAL STAIRS 1/2" = 1'-0" 3 RETAINING WALL SECTION 3/4" = 1'-0"



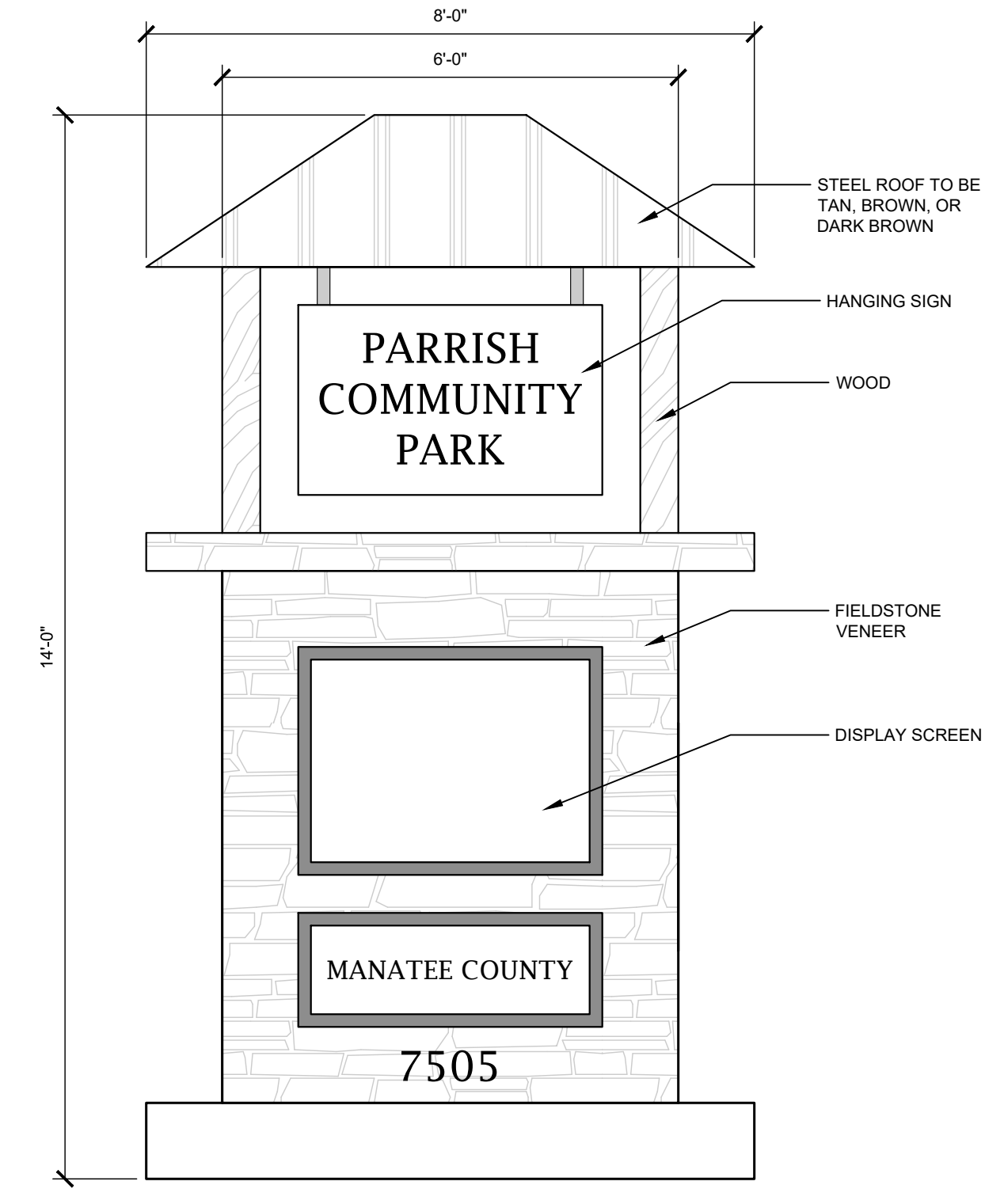
NOTES:

1. SEE CIVIL PLANS FOR GRADING INFORMATION
2. THE FILTER MATERIAL SHALL BE SILICA SAND COMPRISED ONLY OF NATURALLY OCCURRING HARD DURABLE UNCOATED GRAINS OF QUARTZ, AND HAVE GRAIN SIZE DISTRIBUTION MEETING THE FOLLOWING GRADATION:

2.1. SIEVE SIZE	% PASSING (BY WEIGHT)
#4	90 TO 100
#10	80 TO 100
#20	20 TO 80
#60	10 TO 50
#100	0 TO 10
#200	0 TO 5



- NOTES:
1. ALL LUMBER TO BE NO. 2 SOUTHERN YELLOW PINE ALL SIDES FINISHED AND PRESSURE TREATED AS FOLLOWS:
A. 4 #/C.F./ACQ FOR 4"x4" RAILING POSTS.
B. 6 #/C.F./ACQ FOR 2"x8" HEADERS AND STRINGERS.
 2. ALL 2"x4" RAILS, 2"x6" TOP PLATES, AND 2"x6" DECKING TO BE IPE.
 3. SEE BOARDWALK PLAN FOR PILING LAYOUT, LONGITUDINAL SPAN NOT TO EXCEED 10'.



4 TYPICAL 10' WIDE BOARDWALK SECTION WITH TRADITIONAL RAIL ON ONE SIDE NTS 5 TYPICAL 8' BOARDWALK WITH BUMPER 3/4" = 1'-0" 6 ENTRANCE SIGN 1/2" = 1'-0"

30% PRELIMINARY DESIGN
(NOT FOR CONSTRUCTION)

NO. _____ DATE _____

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1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236
PHONE: 941-579-7800
WWW.KIMLEY-HORN.COM REGISTRY NO. 696

EDWARD M. DEAN, P.L.A.
FLORIDA LICENSE NUMBER
LA 6667269

CHECKED BY: EMD DATE: 8/12/2022

KHA PROJECT 148-400-080

DATE AUGUST 2022

SCALE AS SHOWN

DESIGNED BY EMD

DRAWN BY _____

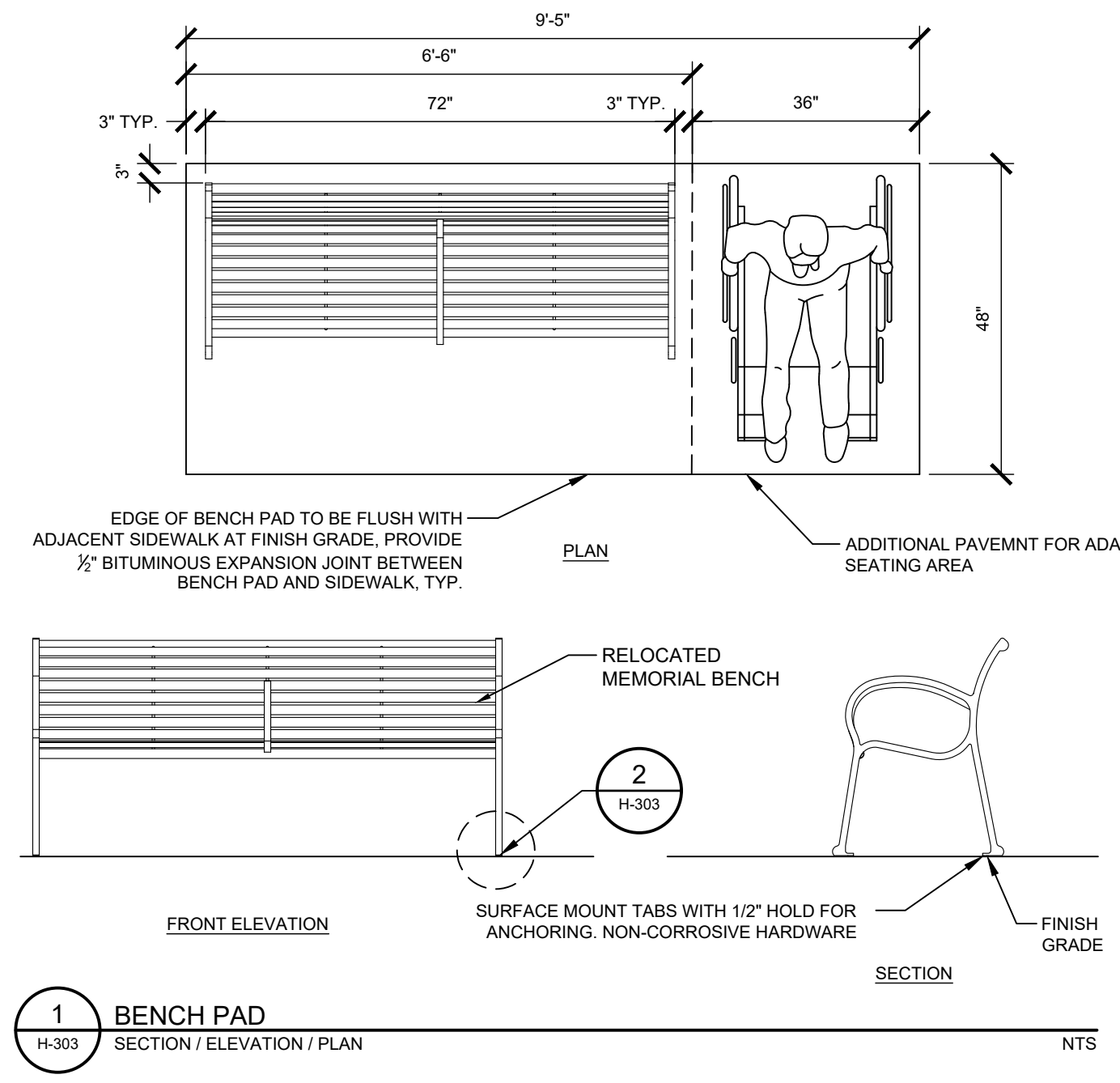
PARRISH COMMUNITY PARK
PREPARED FOR
MANATEE COUNTY

FLORIDA

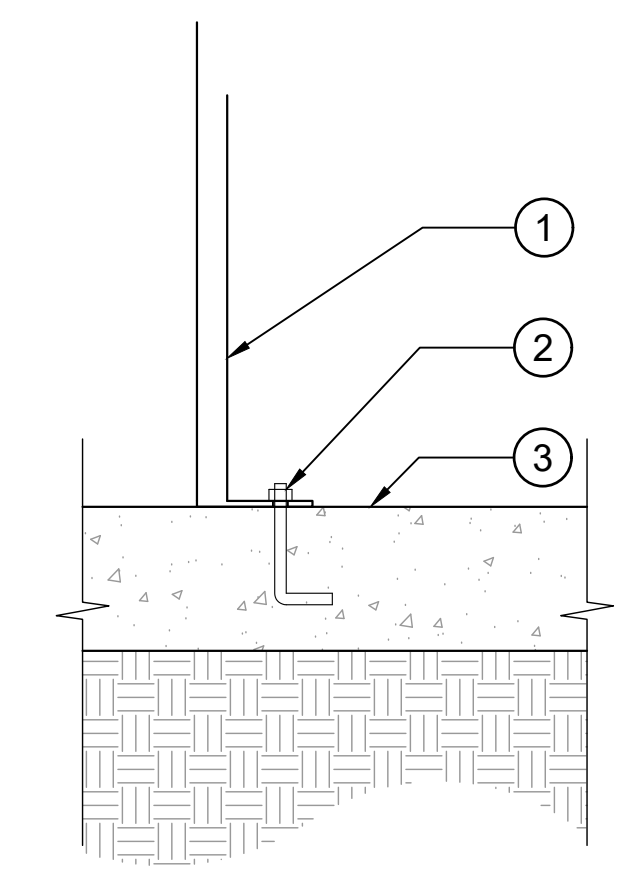
SHEET NUMBER
H-302

DETAILS

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: H-303 DETAILS - August 12, 2022 - 10:34:09am. K:\SAR-URG\148400080 - Parrish Community Park CAD\PlanSheets\H-303 - DETAILS.dwg
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1 BENCH PAD
H-303 SECTION / ELEVATION / PLAN NTS
148-400-080-45



2 FURNISHING SURFACE MOUNTING ON CONCRETE
H-303 1 1/2" = 1'-0" NTS
148-400-080-46



MANUFACTURER: BELSON OUTDOORS (OR APPROVED EQUAL)
MODEL: E-SERIES ROUND STEEL TRASH RECEPTACLE
MODEL NO: 358H-RDEP
COLOR: BLUE
INSTALLATION: FREE STANDING

3 TRASH RECEPTACLE
H-303 NTS
148-400-080-45

High Capacity Station (HCS)

Bigbelly's HCS is a smart, solar-powered, compacting waste or recycling station. This compacting model holds 5x more than the average 30-gallon traditional waste bin and is equipped with sensors that monitor and report fullness levels and collection activity. It harvests solar power to compact waste and communicate its real-time status. The HCS's enclosed hopper (opening) design ensures total waste containment. This model maintains the durable, high quality and design integrity of all Bigbelly smart stations, and can be customized based on waste stream, options, and accessories.

BUILT-IN COMPACTOR

SOLAR POWERED

SMART STATION

FULLNESS SENSING

ONBOARD GPS

CELLULAR CONNECTION

Technical Specifications

Overall Machine Dimensions

- Height: 49.8" (1264 mm)
- Width: 25" (635 mm)
- Depth: 26.6" (681 mm)
- Handle Height (ADA Compliant): 43.1" (1095 mm)
- Weight: 270 lbs (122 kg)
- Shipping weight: 300 lbs (136.08 kg)
- Hopper Opening: 6' x 17" (152 mm x 432 mm)
- Bin Volume: 33 gallons (125 L) compacted trash; approx. 150 gallons (568 L) uncompacted trash.
- Bin Dimension: 24" x 23.4" x 21.65" (609 mm x 518 mm x 549 mm)

Waste Streams: Mixed Waste Trash, Single Stream Recycling, or Compost (with appropriate markings).

Options: Diagram to left shown with Foot Pedal. See options and accessories on next page.

4 BIG BELLY TRASH RECEPTACLE
H-303 1" = 1" NTS
148-400-080-46

Park Place

Our Park Place table takes the look and durability of our Recycled Plastic Picnic Table and makes it even better. Made with five 2" x 10" Resinwood slats and our new Elite Bases, this table combines the durability you've come to love with a new contoured look and feel. Custom colors available for quantity orders. Heavy duty, zinc coated hardware standard. Stainless steel hardware available. ADA models available.

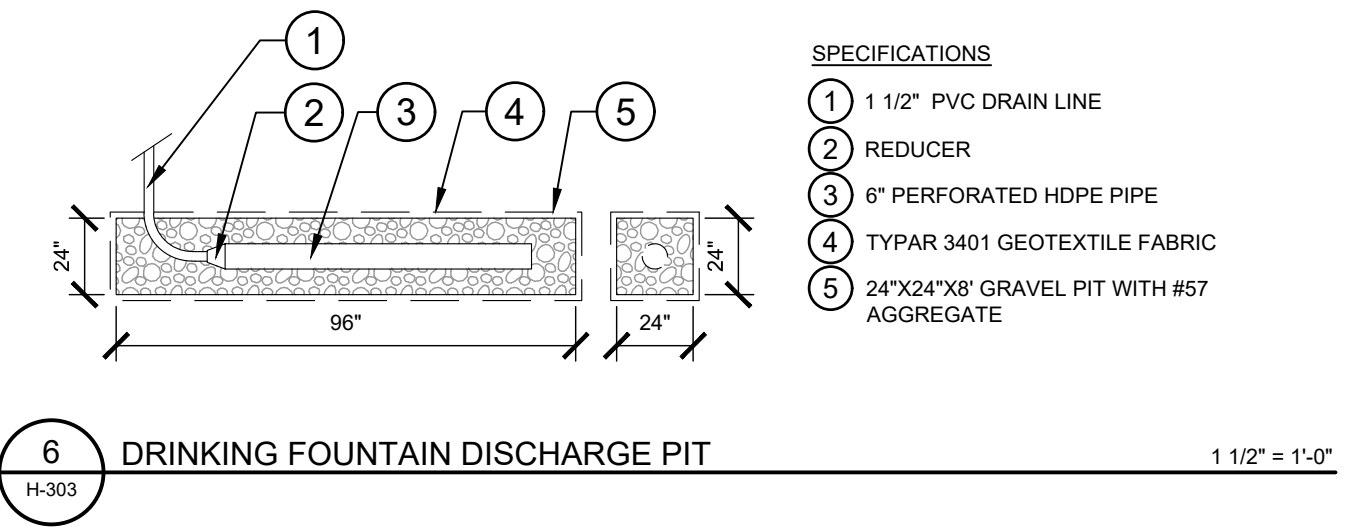
6 ft. ADA - 335 lbs. - PB 6 - PARKPADA

Insert color code in product number.
Standard Colors: Blue = BLU, Cedar = CED, Gray = GRA, Green = GRE, Red = RED
Optional Colors: Black = BLA, Brown = BRO, White = WHI

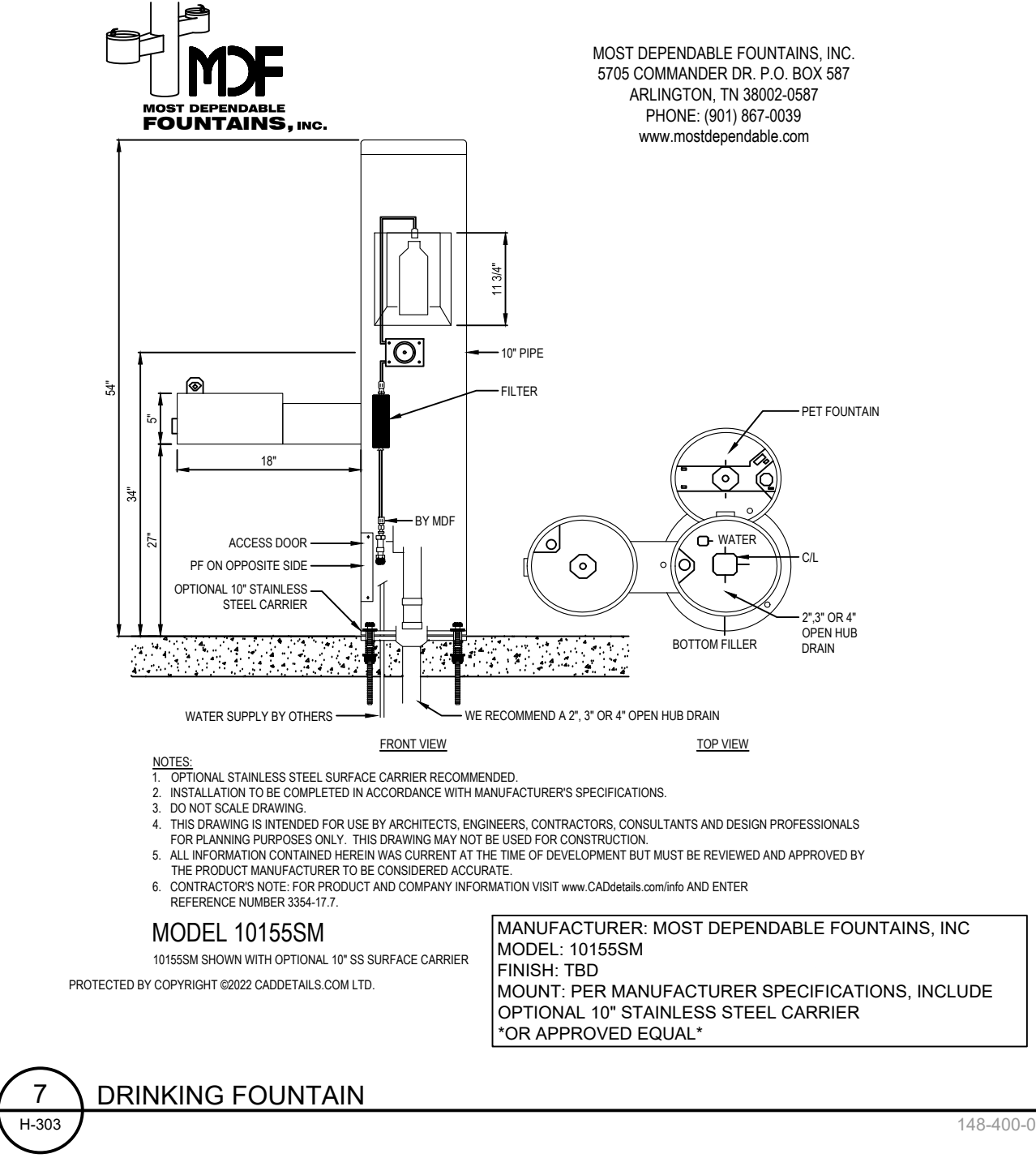
Example:
6 ft. Red ADA Park Place Table = PB 6REDPARKPADA

MOUNTING INFO:
-Surface Elite Bolt (PB 1008) (AY)
-In-Ground J-Bolt (PB 1999)

5 CITY STANDARD PICNIC TABLE
H-303 N.T.S. NOTE: SURFACE MOUNT PER DETAIL 2, SHEET H-303. 148-400-080-45



6 DRINKING FOUNTAIN DISCHARGE PIT
H-303 1 1/2" = 1'-0" NTS
148-400-080-47



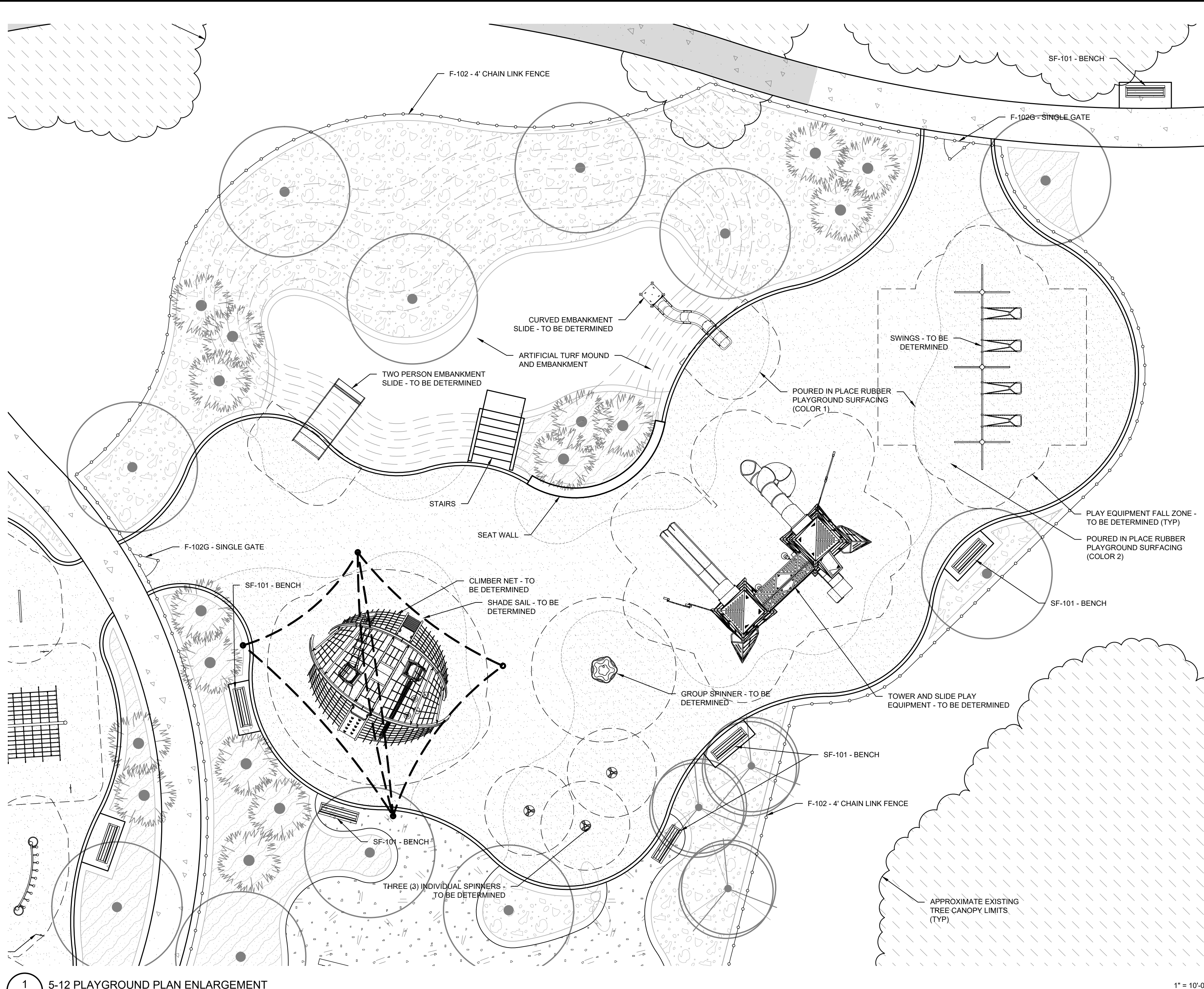
7 DRINKING FOUNTAIN
H-303 NTS 148-400-080-47

DETAILS	PARRISH COMMUNITY PARK PREPARED FOR MANATEE COUNTY	FLORIDA MANATEE COUNTY	REVISIONS DATE BY
H-303	SHEET NUMBER	FLORIDA	NO.

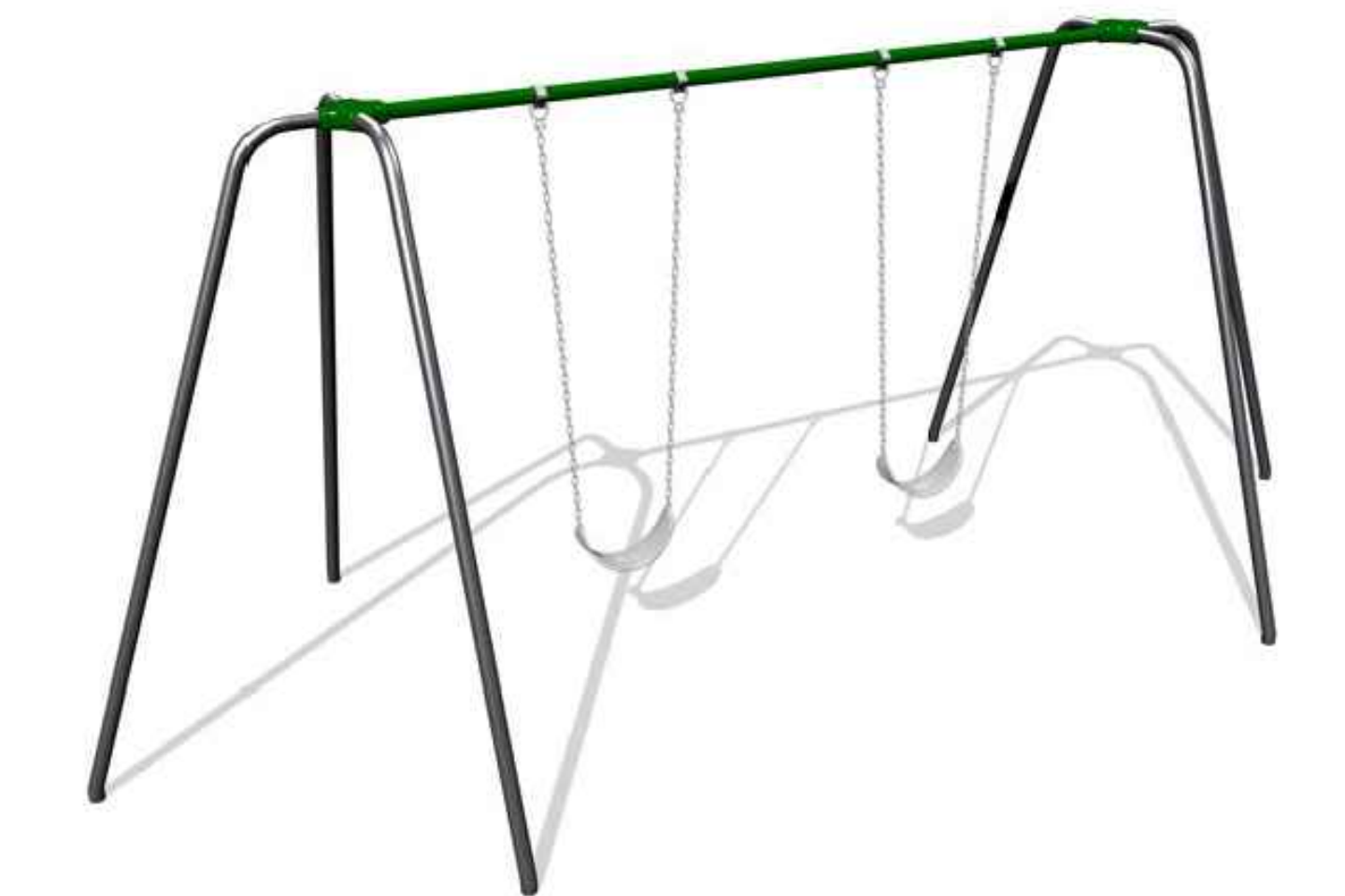
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Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: H-305 5-12 PLAYGROUND DETAILS - August 12, 2022 10:34:27am - K:\SAP_URC\148400080 - Parrish Community Park\CAD\ShopSheets\H-305 - DETAILS.dwg
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1 5-12 PLAYGROUND PLAN ENLARGEMENT
H-305



4 SWINGS - TRADITIONAL 8' SWINGS
H-305 MANUFACTURER: LANDSCAPE STRUCTURES INC. NTS



5 SWINGS - ODDLE SWING (GROUP SWING)
H-305 MANUFACTURER: LANDSCAPE STRUCTURES INC. NTS



6 GROUP SPINNER - REVIWHIRL
H-305 MANUFACTURER: LANDSCAPE STRUCTURES INC. NTS



7 INDIVIDUAL SPINNER - CURVA
H-305 MANUFACTURER: LANDSCAPE STRUCTURES INC. NTS



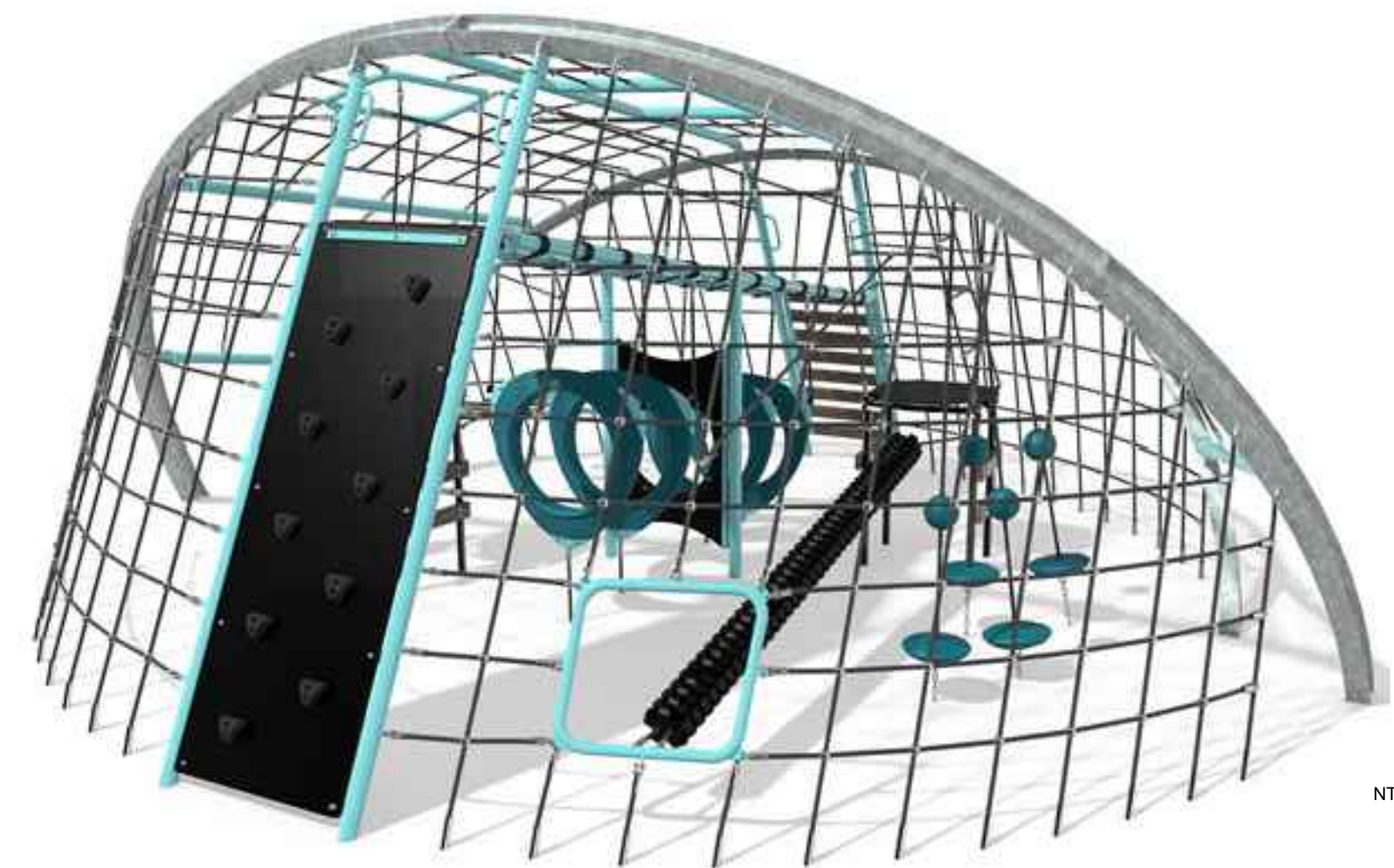
8 EMBANKMENT SLIDE
H-305 MANUFACTURER: KOMPAN NTS



9 EMBANKMENT SLIDE, WIDE
H-305 MANUFACTURER: KOMPAN NTS



2 TOWER AND SLIDE PLAY EQUIPMENT - ALPHA LINK TOWER
H-305 MANUFACTURER: LANDSCAPE STRUCTURES INC. NTS



3 CLIMBER NET - CRAB TRAP
H-305 MANUFACTURER: LANDSCAPE STRUCTURES INC. NTS

Basis of Design: The equipment and manufacturer's shown are the basis of design. Alternate equipment / manufacturers may be submitted for consideration by the County as an equal substitute for the equipment shown. Substitutions may require adjustments to safety surfacing limits, grading, drainage, etc. to facilitate the alternate equipment proposed. Provide required modifications along with proposed substitution for consideration.

30% PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)		NO.	REVISIONS	DATE	BY

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EDWARD M. DEAN, P.L.A.
 FLORIDA LICENSE NUMBER
 LA 6667269
 CHECKED BY: EMD DATE: 8/12/2022

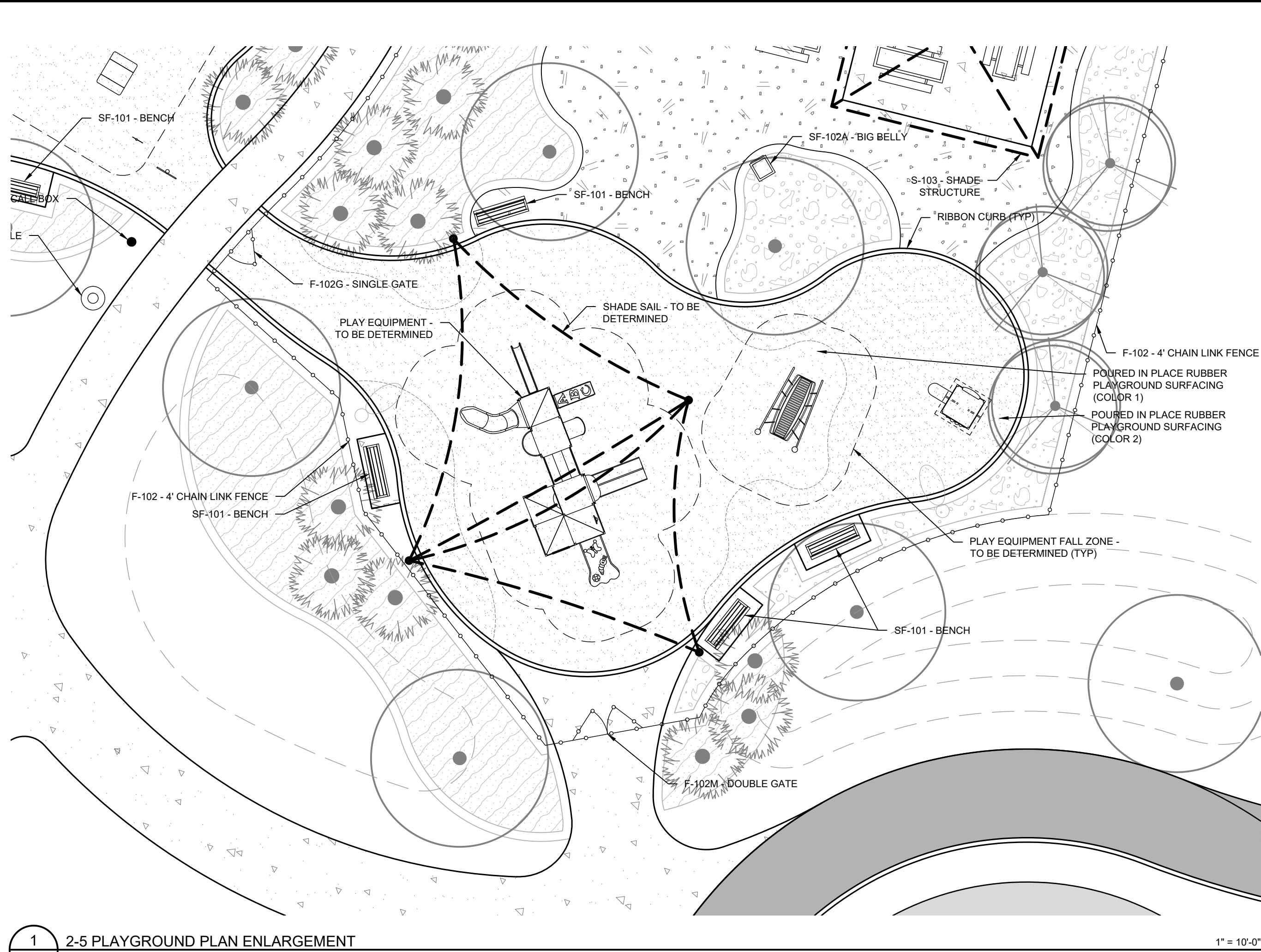
KHA PROJECT
 148-400080
 DATE
 AUGUST 2022
 SCALE AS SHOWN
 DESIGNED BY EMD
 DRAWN BY AGC

**5-12 PLAYGROUND
DETAILS**

**PARRISH
COMMUNITY PARK**
 PREPARED FOR
MANATEE COUNTY
 FLORIDA

SHEET NUMBER
H-305

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: H-306 2-5 PLAYGROUND DETAILS - August 12, 2022 - 10:34:27am. K:\SAR-URG\148400080 - Parrish Community Park\CAD\PlanSheets\H-306 - DETAILS.dwg
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1 2-5 PLAYGROUND PLAN ENLARGEMENT
 H-306

1" = 10'-0"

Basis of Design. The equipment and manufacturer's shown are the basis of design. Alternate equipment / manufactures may be submitted for consideration by the County as an equal substitute for the equipment shown. Substitutions may require adjustments to safety surfacing limits, grading, drainage, etc. to facilitate the alternate equipment proposed. Provide required modifications along with proposed substitution for consideration.



2 H-306

PLAY EQUIPMENT - PLAY SPACE
 MANUFACTURER: LANDSCAPE STRUCTURES INC.



3 H-306

PLAY EQUIPMENT - PLAY SPACE
 MANUFACTURER: LANDSCAPE STRUCTURES INC.

NTS



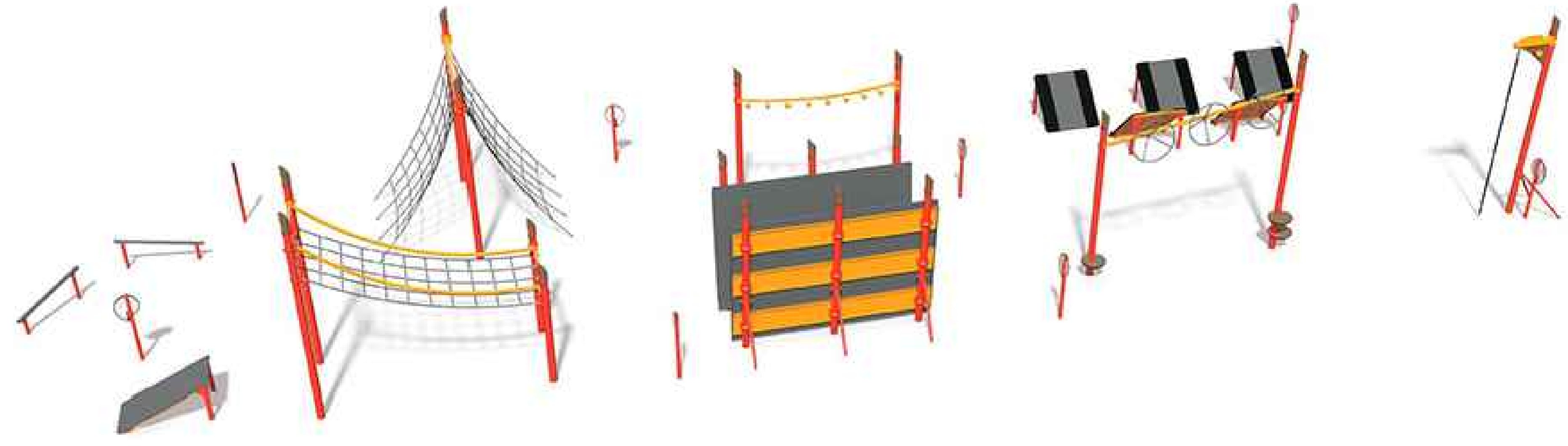
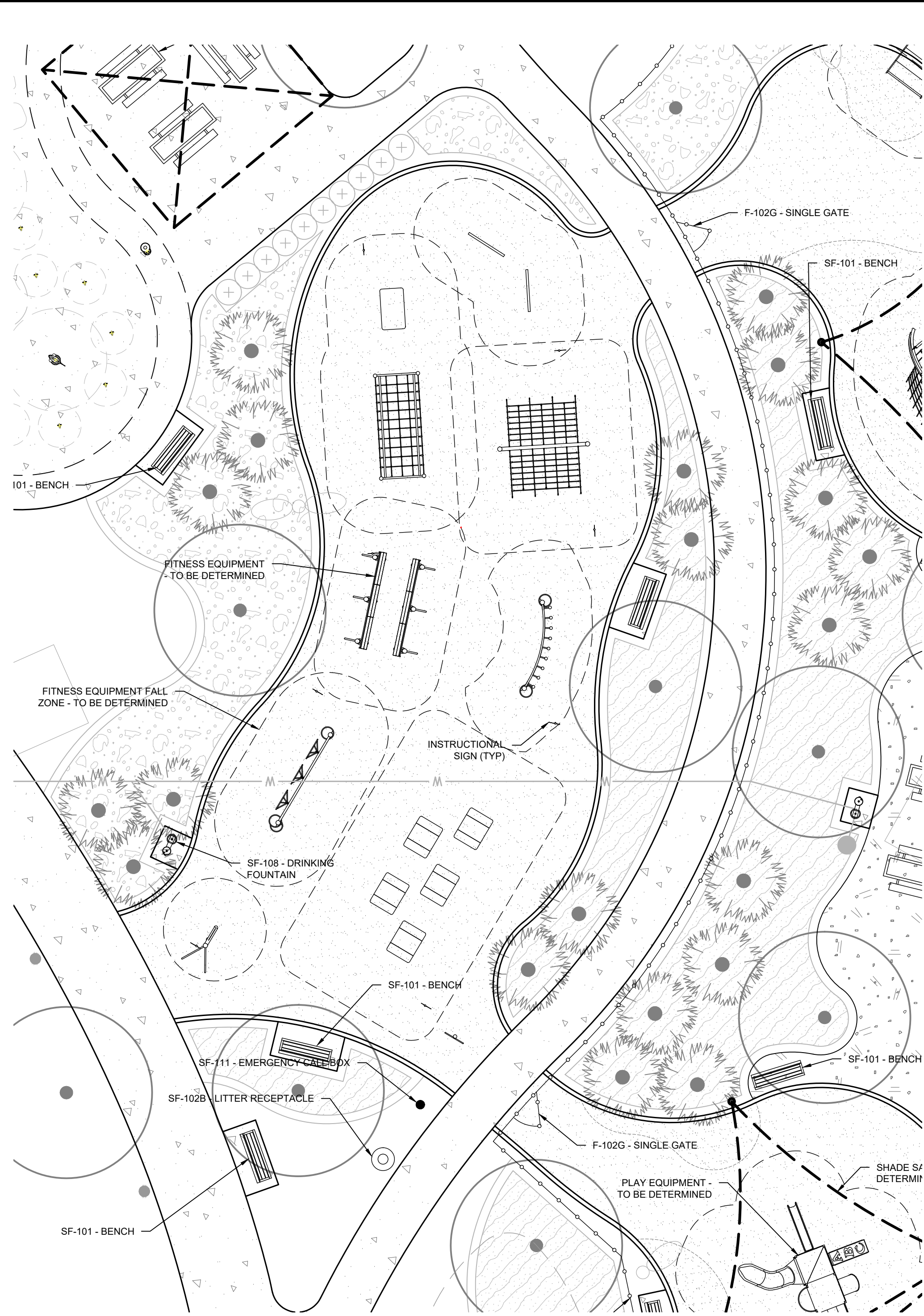
4 H-306

PLAY EQUIPMENT - PLAY SPACE
 MANUFACTURER: LANDSCAPE STRUCTURES INC.

NTS

PARRISH COMMUNITY PARK PREPARED FOR MANATEE COUNTY MANATEE COUNTY FLORIDA	2-5 PLAYGROUND DETAILS	KHA PROJECT 148-400080	DATE AUGUST 2022	SCALE AS SHOWN	DESIGNED BY EMD	DRAWN BY AGC	CHECKED BY EMD	DATE 8/12/2022	EDWARD M. DEAN, P.L.A. FLORIDA LICENSE NUMBER LA 6667269	© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236 PHONE: 941-579-7800 WWW.KIMLEY-HORN.COM REGISTRY NO. 696	30% PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)	REVISIONS No. DATE BY
		SHEET NUMBER H-306										

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park - Layout: H-307 FITNESS COURSE DETAILS August 12, 2022 10:34:47am K:\SAP_JRC\148400080 - Parrish Community Park\CAD\PlanSheets\H-307 - DETAILS.dwg
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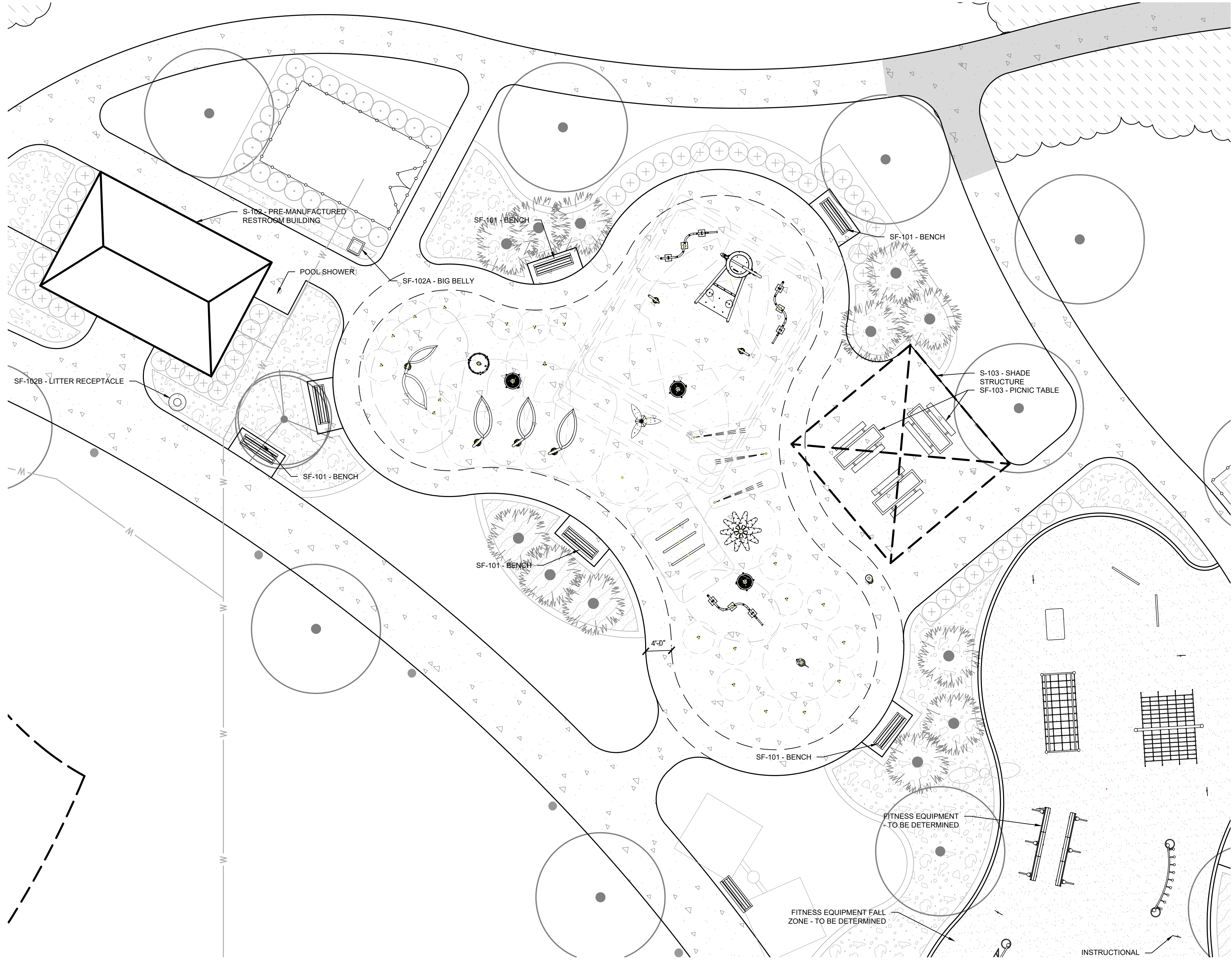
1
 H-307
FITNESS COURSE EQUIPMENT - FITCORE EXTREME COURSE 4 (+13 YEARS OLD)
 MANUFACTURER: LANDSCAPE STRUCTURES INC.

1" = 10'-0"

Basis of Design: The equipment and manufacturer's shown are the basis of design. Alternate equipment / manufactures may be submitted for consideration by the County as an equal substitute for the equipment shown. Substitutions may require adjustments to safety surfacing limits, grading, drainage, etc. to facilitate the alternate equipment proposed. Provide required modifications along with proposed substitution for consideration.

PARRISH COMMUNITY PARK PREPARED FOR MANATEE COUNTY <small>MANATEE COUNTY FLORIDA</small>	FITNESS COURSE DETAILS	Kimley»Horn <small>© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236 PHONE: 941-579-7800 WWW.KIMLEY-HORN.COM REGISTRY NO. 696</small>
SHEET NUMBER H-307	KHA PROJECT 148-400080 DATE AUGUST 2022 SCALE AS SHOWN DESIGNED BY EMD DRAWN BY AGC CHECKED BY EMD	EDWARD M. DEAN, P.L.A. FLORIDA LICENSE NUMBER LA 6667269 DATE: 8/12/2022
		30% PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)
		REVISIONS No. BY DATE

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: H-308 SPLASH PAD DETAILS. August 12, 2022. 10:34:56am. K:\SAR-URG\184\00080 - Parrish Community Park\CAD\PlanSheets\H-308 - DETAILS.dwg
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1 SPLASH PAD PLAN ENLARGEMENT
 H-305

Basis of Design: The equipment and manufacturer's shown are the basis of design. Alternate equipment / manufactures may be submitted for consideration by the County as an equal substitute for the equipment shown. Substitutions may require adjustments to safety surfacing limits, grading, drainage, etc. to facilitate the alternate equipment proposed. Provide required modifications along with proposed substitution for consideration.



2 SPLASH PAD EQUIPMENT - SAMPLE EQUIPMENT (TO BE DETERMINED)
 H-308 MANUFACTURER: VORTEX AQUATICS OR APPROVED EQUIVALENT



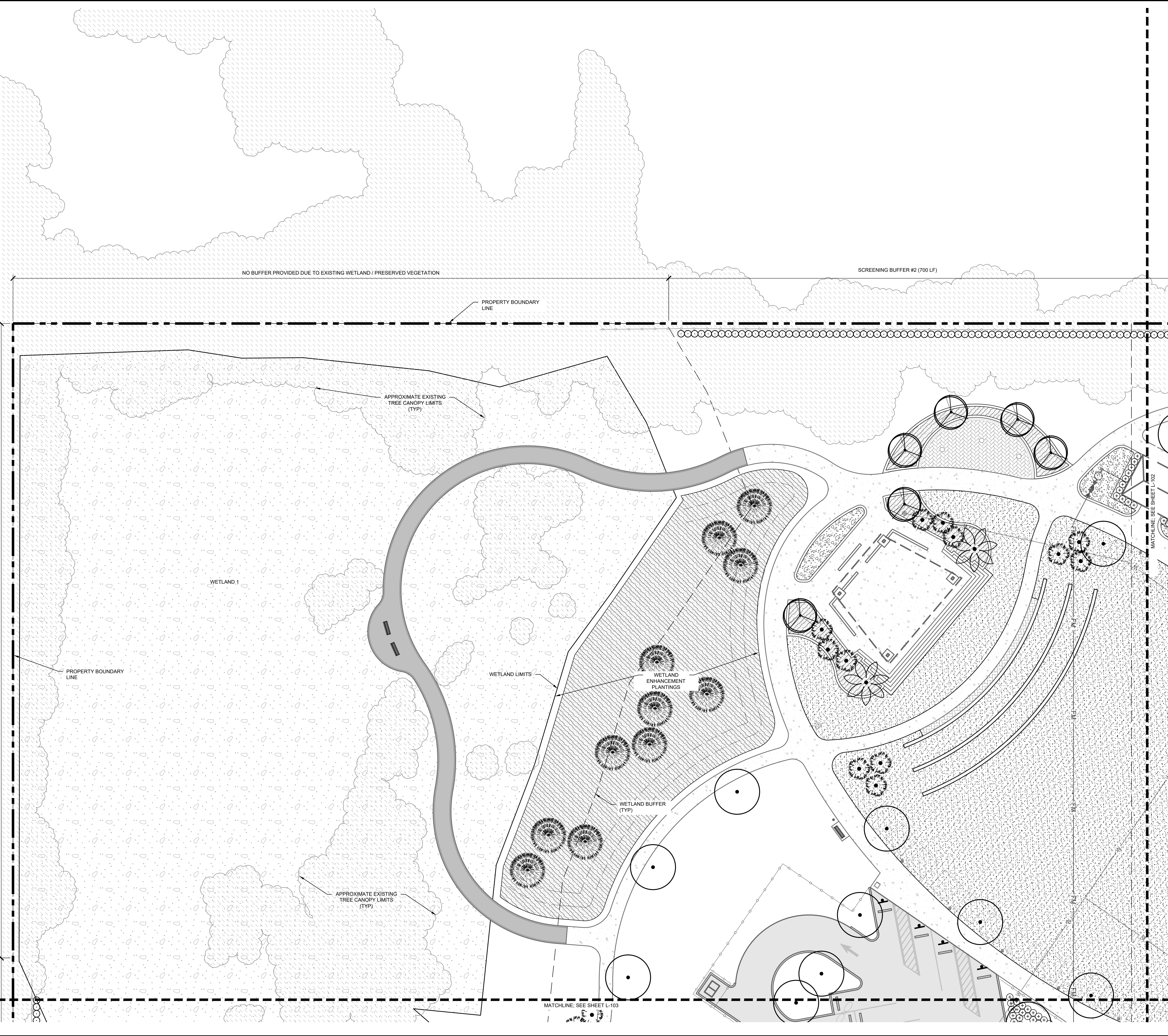
3 SPLASH PAD EQUIPMENT - SAMPLE EQUIPMENT (TO BE DETERMINED)
 H-308 MANUFACTURER: VORTEX AQUATICS OR APPROVED EQUIVALENT



4 SPLASH PAD EQUIPMENT - SAMPLE EQUIPMENT (TO BE DETERMINED)
 H-308 MANUFACTURER: VORTEX AQUATICS OR APPROVED EQUIVALENT

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RHA PROJECT 148-400080		DATE AUGUST 2022		EDWARD M. DEAN, P.L.A. FLORIDA LICENSE NUMBER LA 6667269	
SCALE AS SHOWN		DESIGNED BY EMD		CHECKED BY EMD DATE: 8/12/2022	
DRAWN BY AGC		SPLASH PAD DETAILS			
PARRISH COMMUNITY PARK PREPARED FOR MANATEE COUNTY		FLORIDA			
SHEET NUMBER H-308		MANATEE COUNTY			

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: L-101. LANDSCAPE PLAN. August 12, 2022. 10:35:26am. K:\SAR_URC\18100080 - Parrish Community Park\CAD\PlanSheets\L-101 - LANDSCAPE PLAN.dwg
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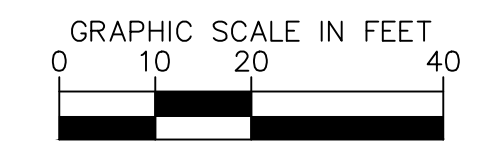
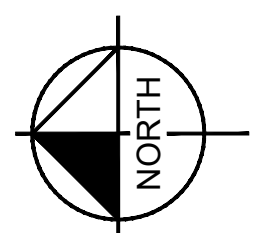


CONCEPT PLANT SCHEDULE

	CANOPY TREE 4" CALIPER, 16' HEIGHT, 6' SPREAD	76
	PALM 15' CLEAR TRUNK HEIGHT	90
	SPECIMAN PALM	2
	WETLAND TREE	11
	ACCENT TREE	16
	BUFFER HEDGE 7 GALLON, 24" HEIGHT	561
	SHRUB 3 GALLON, 12" HEIGHT	198
	SHRUB / GROUNDCOVER AREA 3 GALLON @ 30" O.C.	6,615 SF
	ORNAMENTAL GRASS AREA 1 GALLON @ 36" O.C.	6,719 SF
	WETLAND ENHANCEMENT AREA 1 GALLON @ 36" O.C.	13,058 SF
	CELEBRATION BERMUDA SOD	41,196 SF

NOTES

- REFER TO L-105 FOR MANATEE COUNTY LAND DEVELOPMENT CODE COMPLIANCE CALCULATIONS AND BUFFER TOTALS.
- INSTALL BAHIA TURF SOD IN ALL AREAS OF DISTURBANCE NOT SHOWN TO RECEIVE HARDSCAPE OR PLANT MATERIAL. HAND WATER SOD AS NECESSARY TO ESTABLISH A HEALTHY TURF GRASS.
- ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION. ALL PLANT MATERIAL SHALL BE #1 GRADE. CONTRACTOR SHALL OBTAIN APPROVAL FROM COUNTY IN WRITING FOR THE USE OF ANY SPECIES NOT LISTED PRIOR TO INSTALLATION OF ANY CODE REQUIRED LANDSCAPING DEPICTED ON THESE PLANS.
- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO FIELD ADJUST ALL PLANT MATERIAL.
- ALL QUANTITIES PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.
- PROVIDE 3' MINIMUM CLEARANCE FROM LANDSCAPE PLANTS AND THE EDGE OR THE METER SLAB FOR METERS LESS THAN 3" AND 6" FOR METERS LARGER THAN 3", AND FOR FIRE LINE BACKFLOW PREVENTION ASSEMBLIES.
- DO NOT PLANT TREES WITHIN 10 FEET OF ANY POTABLE WATER MAIN, RECLAIMED WATER MAIN, SANITARY FORCE MAIN, GRAVITY SANITARY SEWER MAIN, SANITARY CLEANOUTS, OR POTABLE/RECLAIMED FORCE MAIN APPURTENANCES SUCH AS METERS, HYDRANTS, BACKFLOW PREVENTION ASSEMBLIES, ETC. THAT ARE OWNED AND MAINTAINED BY MANATEE COUNTY. AN APPROVED ROOT BARRIER SHALL BE USED WHERE TREES ARE PLANTED CLOSER THAN 10 FEET.
- ALL IRRIGATION TO BE PUBLICLY OWNED, MAINTAINED, AND OPERATED BY MANATEE COUNTY.
- PER MANATEE COUNTY LDC, SECTION 701.4, THIS PLAN SHALL BE IN COMPLIANCE WITH THE EXOTIC PLANT SPECIES MANAGEMENT PLAN WHICH PROVIDES FOR THE CONTINUED REMOVAL OF NUISANCE, EXOTIC PLANT SPECIES THAT BECOME RE-ESTABLISHED WITHIN COMMON, AND OPEN SPACES FOR THE LIFE OF THE PROJECT.
- STREET SIDE OF METER ASSEMBLIES AND FIRE LINE BACKFLOW PREVENTION ASSEMBLIES SHALL REMAIN OPEN AND FREE OF LANDSCAPING
- ALL BUFFERS ARE EXCLUSIVE OF ANY RIGHT-OF-WAY OR FUTURE DEDICATIONS (LDC SECTION 701.4.5.2).
- PROVIDE A MINIMUM CLEARANCE OF 7' 5" FROM THE FRONT AND BOTH SIDES, AND 4' TO THE REAR OF ALL FIRE HYDRANTS AND ABOVE GRADE OBSTRUCTIONS INCLUDING POSTS, FENCES, TREES, ETC.



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No.	REVISIONS	DATE	BY

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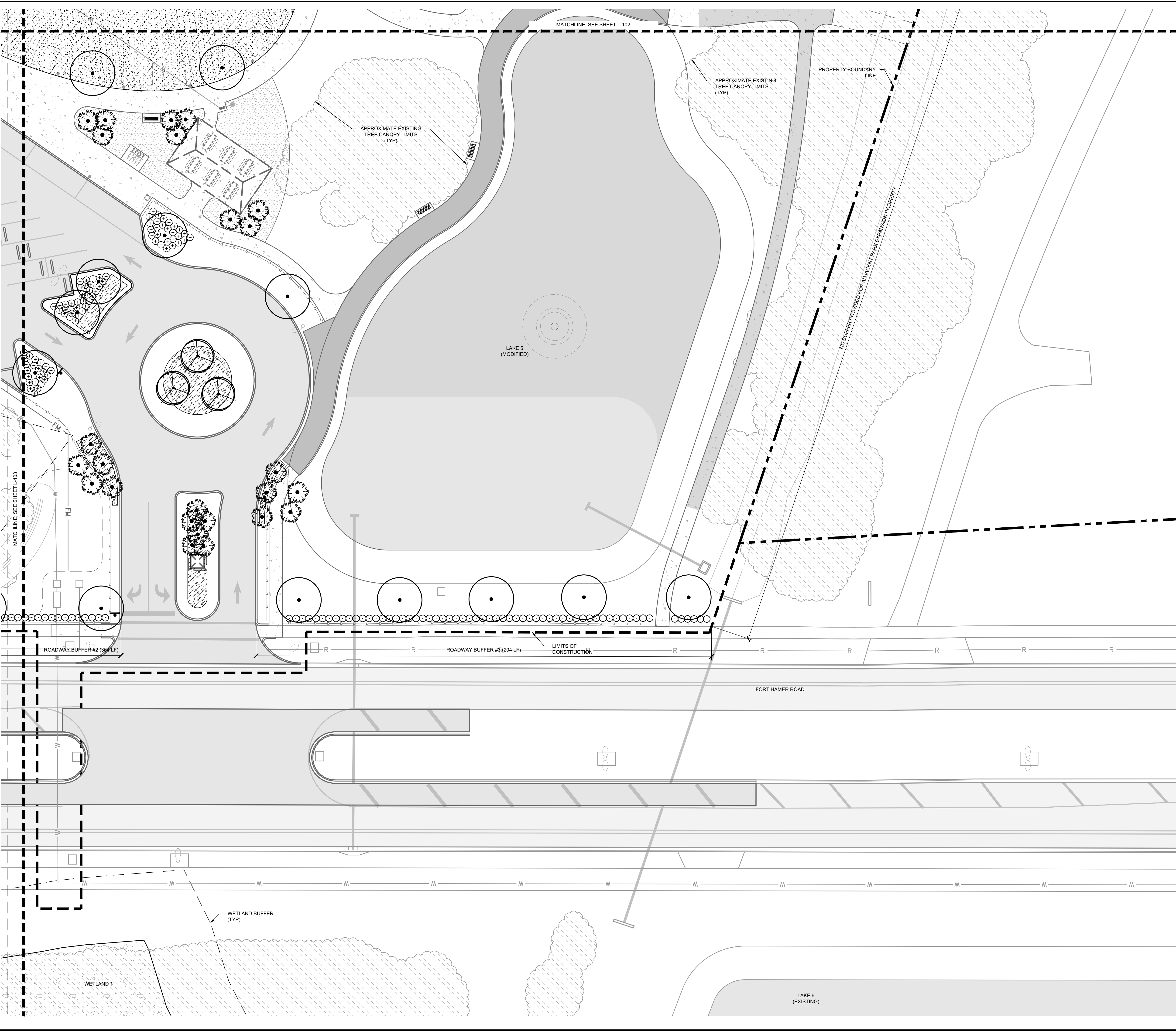
KHA PROJECT 148-400080	EDWARD M. DEAN, PLA
DATE AUGUST 2022	FLORIDA LICENSE NUMBER LA 6667269
SCALE AS SHOWN	CHECKED BY EMD
DESIGNED BY EMD	DATE 8/12/2022
DRAWN BY	

PARRISH COMMUNITY PARK
 PREPARED FOR
MANATEE COUNTY
 FLORIDA

LANDSCAPE PLAN

SHEET NUMBER
L-101

Plotted By: Dean, Ed. Sheet Set: Parrish Community Park. Layout: L-104. Landscape Plan. August 12, 2022. 10:36:05am. K:\SAP_URC\148400080 - Parrish Community Park\CAD\PlanSheets\L-104 - LANDSCAPE PLAN.dwg
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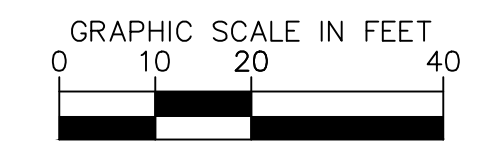
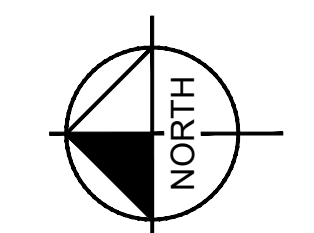


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PARRISH COMMUNITY PARK
 PREPARED FOR
MANATEE COUNTY
 FLORIDA
 SHEET NUMBER
L-104

LANDSCAPE SPECIFICATIONS

1. SCOPE OF WORK

- 1.1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THESE PLANS.
- 1.2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.
- 1.3. WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS.

2. PROTECTION OF EXISTING AND PROPOSED SITE ELEMENTS

- 2.1. PROTECT ALL EXISTING SITE ITEMS, ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
- 2.2. MAINTAIN ALL NECESSARY BMP DEVICES THROUGHOUT THE DURATION OF ALL CONSTRUCTION ACTIVITIES.
- 2.3. WHERE APPLICABLE, SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE APPROPRIATE REGULATORY AGENCY STANDARDS UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, INDEX 102-600.
- 2.4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO CONSTRUCTION ACTIVITIES. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UTILITIES IS APPROXIMATE. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING WHEN ANY CONFLICT BETWEEN UTILITIES AND THESE PLANS EXIST PRIOR TO PLANTING.
- 2.5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO PLANT MATERIAL EXISTING OR OTHERWISE. THIS SHALL INCLUDE COMPACTION AND SPILLING OF ANY DELETERIOUS MATERIALS WITHIN THE DRIP-LINE OF EXISTING TREES TO REMAIN. PLANT MATERIAL KILLED OR DAMAGED THAT IS MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED WITH LIKE SIZE AND KIND TO THE SATISFACTION OF THE OWNER OR REGULATORY AGENCY AT THE COST TO THE CONTRACTOR.
- 2.6. SEE TREE MITIGATION PLAN AND NOTES, IF APPLICABLE.

3. SUBMITTALS

- 3.1. SUBMIT MATERIAL SAMPLES LISTED BELOW FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER, UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) GALLON PLASTIC BAG
SOIL MIXTURE	ONE (1) GALLON PLASTIC BAG
PLANTS	ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY)

- 3.2. SUBMIT TESTING RESULTS OF SOIL MIXTURE AS PER SECTION 6 BELOW.

4. PLANT MATERIALS

- 4.1. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS INDICATED ON THE DRAWINGS AND SHALL BE IN ACCORDANCE WITH GRADES AND STANDBY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT AND OWNER.
- 4.2. ALL TREE SPECIES INSTALLED SHALL BE MATCHED IN SIZE AND SHAPE UNLESS NOTED OTHERWISE.
- 4.3. PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, UPON DELIVERY TO THE SITE, DURING PROGRESS OF THE WORK AND/OR AFTER COMPLETION. REJECTED PLANTS SHALL BE REMOVED AND REPLACED IMMEDIATELY.

5. DIGGING AND HANDLING

- 5.1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. NO PLANT MATERIAL SHALL BE HANDLED BY STEMS.

6. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

- 6.1. TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW.
- 6.2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
- 6.3. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER, FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.
- 6.4. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.
- 6.5. PLANT TREES IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

7. WATER

- 7.1. PROVIDE WATER NECESSARY FOR PLANTING ESTABLISHMENT AND MAINTENANCE. WATER SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS.
- 7.2. WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

8. FERTILIZER

- 8.1. PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.
- 8.2. FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

9. MULCH

- 9.1. MOISTEN MULCH MATERIAL AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CONTRACTOR SHALL CLEAR MULCH FROM WITHIN A SIX (6) INCH RADIUS AROUND TRUNK / STEM FLARE. MULCH SHALL BE "FLORIMULCH", EUCALYPTUS MULCH, OR SIMILAR SUSTAINABLY HARVESTED MULCH UNLESS SPECIFIED OTHERWISE.
- 9.2. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH PLANTING BED AND TREE RING (SIX (6) FOOT DIAMETER MINIMUM).

10. CONTAINER GROWN STOCK

- 10.1. CONTAINER GROWN PLANTS SHALL HAVE BEEN GROWN IN ITS CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.
- 10.2. INSUFFICIENT OR POORLY STRUCTURED ROOT SYSTEMS ARE NOT ACCEPTABLE AND WILL BE REJECTED.
- 10.3. ROOTS PLUS GROWER (RPG) PRODUCTS SHALL BE USED WHERE SPECIFIED.

11. MATERIALS LIST

- 11.1. ALL QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.

12. FINE GRADING

- 12.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING WHICH CONSISTS OF FINAL FINISHED GRADING (INCLUDING ADDITIONAL SOIL MIXTURE AS NEEDED) FOR LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. FINISH GRADE SHALL ACCOUNT FOR THICKNESS OF SOD AND/OR MULCH DEPTH.
- 12.2. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

13. PLANTING PROCEDURES

- 13.1. CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. REMOVE ALL MORTAR, CEMENT, AND TOXIC MATERIAL FROM THE SURFACE OF ALL PLANT BEDS. DO NOT MIX THESE MATERIALS WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL, WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
- 13.2. LOCATE, MAINTAIN AND PROTECT ALL UTILITIES ABOVE AND BELOW GROUND. CALL SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- 13.3. NOTIFY LANDSCAPE ARCHITECT IN WRITING IMMEDIATELY IF CONFLICT(S) EXIST WITH PROPOSED TREE LOCATIONS AND EXISTING OVERHEAD POWER LINES IN ACCORDANCE WITH SETBACK REQUIREMENTS OF FPL'S "RIGHT TREE, RIGHT PLACE" PROGRAM. CONSULT THE UNIVERSITY OF FLORIDA'S "TREES AND POWER LINE" WEBSITE FOR TREE SIZE CATEGORIES.
- 13.4. NOTIFY LANDSCAPE ARCHITECT IN WRITING IMMEDIATELY IF CONFLICT(S) EXIST WITH PROPOSED TREE LOCATIONS AND EXISTING / PROPOSED LIGHT POLES. TREES INSTALLED IN CONFLICT WITH LIGHT POLES ARE SUBJECT TO RELOCATION AT THE EXPENSE OF THE CONTRACTOR.
- 13.5. REMOVE ALL EXISTING AND IMPORTED DELETERIOUS MATERIAL AND SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE AS NEEDED WITH CLEAN SOIL MIXTURE.
- 13.6. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK.
- 13.7. EXCAVATE ALL PLANTING PITS IN ACCORDANCE WITH LANDSCAPE DETAILS PROVIDED. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. IF POOR DRAINAGE EXISTS, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IN WRITING. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. CONTRACTOR SHALL ENSURE ELIMINATION OF ALL AIR POCKETS AROUND ROOTS.
- 13.8. SET TREES AND SHRUBS STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
- 13.9. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM UPPER ONE THIRD (1/3) OF ROOT BALLS.
- 13.10. ALL SUCKER GROWTH AND BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT IN ACCORDANCE WITH ANSI A-300.
- 13.11. SHRUBS AND GROUND COVER PLANTS SHALL BE SPACED IN ACCORDANCE WITH THE DRAWINGS, LANDSCAPE DETAILS AND AS INDICATED ON THE PLANT LIST.
- 13.12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN A PLUMB AND UPRIGHT POSITION.
- 13.13. FAILURE TO FOLLOW THE ABOVE PLANTING PROCEDURE SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

14. LAWN SODDING

- 14.1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING NECESSARY TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
- 14.2. ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS TO A MINIMUM DEPTH OF THREE (3) INCHES. PROVIDE ONE (1) INCH OF TOPSOIL ACROSS ENTIRE LAWN BED AND MIX THOROUGHLY INTO TOP FOUR (4) INCHES OF SOIL TO BRING THE GROUND TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL TOPSOIL AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
- 14.3. HAND RAKE LAWN BED UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.
- 14.4. SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.
- 14.5. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.
- 14.6. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS.
- 14.7. IMMEDIATELY FOLLOWING SOD LAYING, ROLL LAWN AREAS WITH A LAWN ROLLER AND THEN THOROUGHLY IRRIGATED.
- 14.8. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.
- 14.9. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY EXCESSIVE HEAT AND MOISTURE.
- 14.10. WITHIN THE CONTRACT LIMITS, PRODUCE AND MAINTAIN A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADED IF NECESSARY).

15. CLEANUP

- 15.1. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

16. PLANT MATERIAL MAINTENANCE

- 16.1. ALL PLANT MATERIAL SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) AS NECESSARY TO INSURE HEALTHY AND VIGOROUS GROWING CONDITIONS BY THE CONTRACTOR UPON DELIVERING TO THE SITE AND UNTIL FINAL ACCEPTANCE OF WORK.

17. FINAL INSPECTION AND ACCEPTANCE OF WORK

- 17.1. ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE PER MANUFACTURER RECOMMENDATIONS. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)
- 17.2. PROVIDE WATERING/IRRIGATION SCHEDULE FOR ALL PLANT MATERIAL TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.
- 17.3. UPON COMPLETION OF ALL WORK, A FINAL INSPECTION SHALL BE PERFORMED BY THE OWNER AND/OR OWNER'S REPRESENTATIVE. ALL PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT SHALL BE INSPECTED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ANY ITEMS FOUND TO NOT BE IN COMPLIANCE SHALL BE CORRECTED AT THE COST OF THE CONTRACTOR.

18. WARRANTY

- 18.1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION AND ACCEPTANCE OF THE WORK BY THE OWNER AND/OR OWNER'S REPRESENTATIVE.
- 18.2. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION THROUGHOUT THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED, PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER. ANY REPLACED PLANT MATERIAL SHALL BE SUBJECT TO A NEW ONE (1) YEAR WARRANTY.
- 18.3. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH.

19. ABBREVIATIONS

B&B	BALLED AND BURLAPPED
BR	BARE ROOT
CAL	CALIPER
CT	CLEAR TRUNK
DBH	DIAMETER AT BREST HEIGHT
FG	FIELD GROWN
FTG	FULL TO GROUND
GW	GREY WOOD
HO	HARDENED OFF
OA	OVERALL HEIGHT
RPG	ROOTS PLUS GROWER

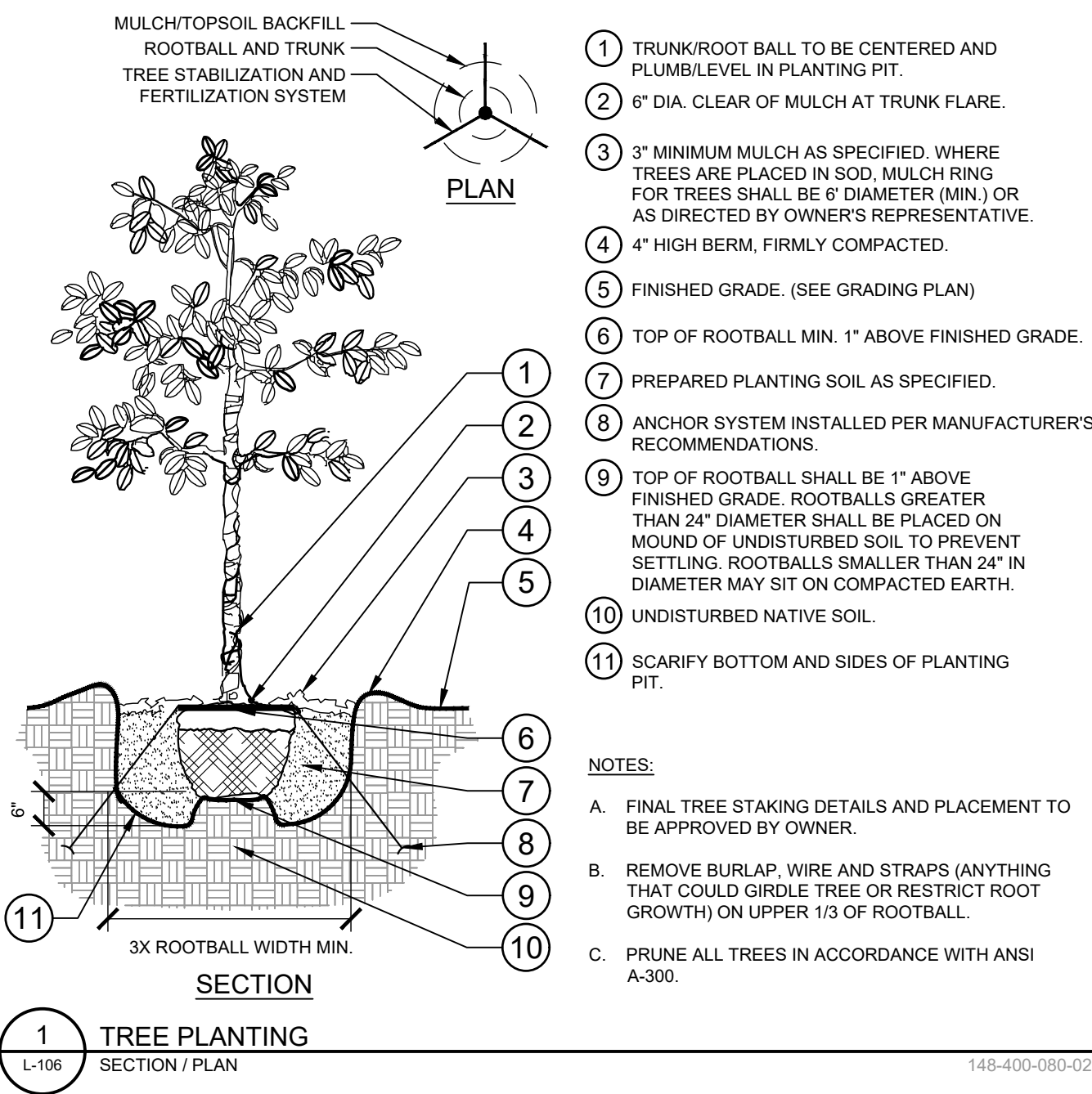
LANDSCAPE CODE CALCULATIONS (PER MANATEE COUNTY LAND DEVELOPMENT CODE)

	REQUIRED	PROVIDED
VEHICLE USE AREA SECTION 701.3.A.2	360 SF OF LANDSCAPING REQUIRED (INCLUDING 4 CANOPY TREES, 20 SHRUBS) PER 20 PARKING SPACES MAIN PARKING LOT INTERIOR 50 PARKING SPACES = 800 SF OF LANDSCAPING INCLUDING 10 CANOPY TREES AND 50 SHRUBS DOG PARK PARKING LOT INTERIOR 16 PARKING SPACES = 288 SF OF LANDSCAPING INCLUDING 4 CANOPY TREES AND 16 SHRUBS PERIMETER PARKING LOT BUFFERS 1 TREE PER 40 LINEAR FEET WITH SHRUB ROW	MAIN PARKING LOT ### SF OF LANDSCAPING ## CANOPY TREES ## SHRUBS DOG PARK PARKING LOT ### SF OF LANDSCAPING ## CANOPY TREES ## SHRUBS PERIMETER PARKING LOT BUFFERS 1 TREE PER 40 LINEAR FEET WITH SHRUB ROW
FOUNDATION LANDSCAPING SECTION 701.3.C	20 SF OF PLANTING / 1000SF GROSS BUILDING AREA RESTROOM BUILDING #### SF / 1000 = ## X 20 = ## SF OF PLANTING	RESTROOM BUILDING ### SF OF LANDSCAPING
ROADWAY AND SCREENING BUFFERS SECTION 701.4.B.2	FORT HAMER ROADWAY BUFFER #1 - 160 LF 10' WIDTH, 2 CANOPY TREES AND 33 SHRUBS PER 100 LF 160 LF / 100 X 2 = 4 TREES REQUIRED 160 LF / 100 X 33 = 53 SHRUBS REQUIRED FORT HAMER ROADWAY BUFFER #2 - 364 LF 10' WIDTH, 2 CANOPY TREES AND 33 SHRUBS PER 100 LF 364 LF / 100 X 2 = 8 TREES REQUIRED 364 LF / 100 X 33 = 121 SHRUBS REQUIRED FORT HAMER ROADWAY BUFFER #3 - 204 LF 10' WIDTH, 2 CANOPY TREES AND 33 SHRUBS PER 100 LF 204 LF / 100 X 2 = 5 TREES REQUIRED 204 LF / 100 X 33 = 68 SHRUBS REQUIRED SCREENING BUFFER #1 (REC. ABUTTING RESIDENTIAL) - 283 LF 10' WIDTH, 2-1/2 CANOPY TREES AND 33 SHRUBS PER 100 LF 283 LF / 100 X 2.5 = 8 TREES REQUIRED 283 LF / 100 X 33 = 94 SHRUBS REQUIRED SCREENING BUFFER #2 (REC. ABUTTING RESIDENTIAL) - 700 LF 10' WIDTH, 2-1/2 CANOPY TREES AND 33 SHRUBS PER 100 LF 700 LF / 100 X 2.5 = 18 TREES REQUIRED 700 LF / 100 X 33 = 231 SHRUBS REQUIRED	FORT HAMER ROADWAY BUFFER #1 10' WIDTH ## CANOPY TREES ## SHRUBS FORT HAMER ROADWAY BUFFER #2 10' WIDTH ## CANOPY TREES ## SHRUBS FORT HAMER ROADWAY BUFFER #3 10' WIDTH ## CANOPY TREES ## SHRUBS SCREENING BUFFER #1 10' WIDTH ## CANOPY TREES ## SHRUBS SCREENING BUFFER #2 10' WIDTH ## CANOPY TREES ## SHRUBS
PLANT MATERIAL SECTION 701.8.B&C	TREES: HEIGHT: 10'(CANOPY), 6'(UNDERSTORY) 15'(PALM) CALIPER: 2.5" (CANOPY), 1.5"(UNDERSTORY) SPREAD: 4' SHRUBS: SIZE: 24" HT, 3 GALLON (HEDGE), 8" HT, 1 GALLON (VUA SHRUBS)	REFER TO PLANT SCHEDULE
PALMS SECTION 701.4.A.17	NO MORE THAN 40% PALMS	# PALMS PROPOSED # / ## TOTAL = ##% PALMS
NATIVE SPECIES SECTION 701.4.A.4	AT LEAST 30% NATIVE SPECIES	277 / 693 TOTAL PLANTS = 39% NATIVE

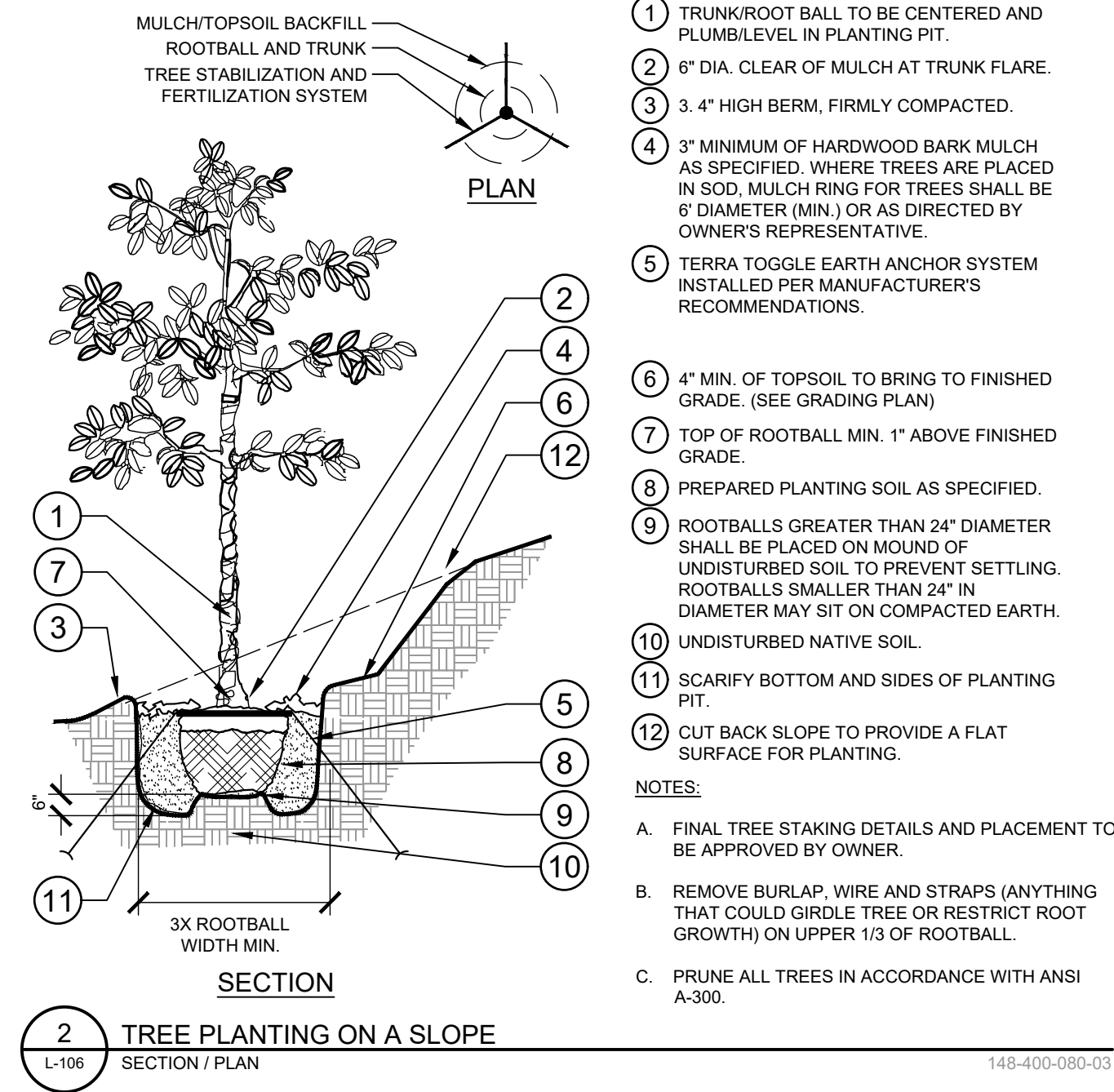
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KHA PROJECT 148-400080	DATE AUGUST 2022	SCALE AS SHOWN	DESIGNED BY EMD	DRAWN BY ---	CHECKED BY EMD	DATE 8/12/2022	EDWARD M. DEAN, P.L.A.	FLORIDA LICENSE NUMBER LA 6667269	WWW.KIMLEY-HORN.COM	REGISTRY NO. 696	1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236	© 2022 KIMLEY-HORN AND ASSOCIATES, INC.	30% PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)	NO.	REVISIONS	DATE	BY
PARRISH COMMUNITY PARK PREPARED FOR MANATEE COUNTY FLORIDA														LANDSCAPE SPECIFICATIONS AND CALCULATIONS			
														SHEET NUMBER L-105			

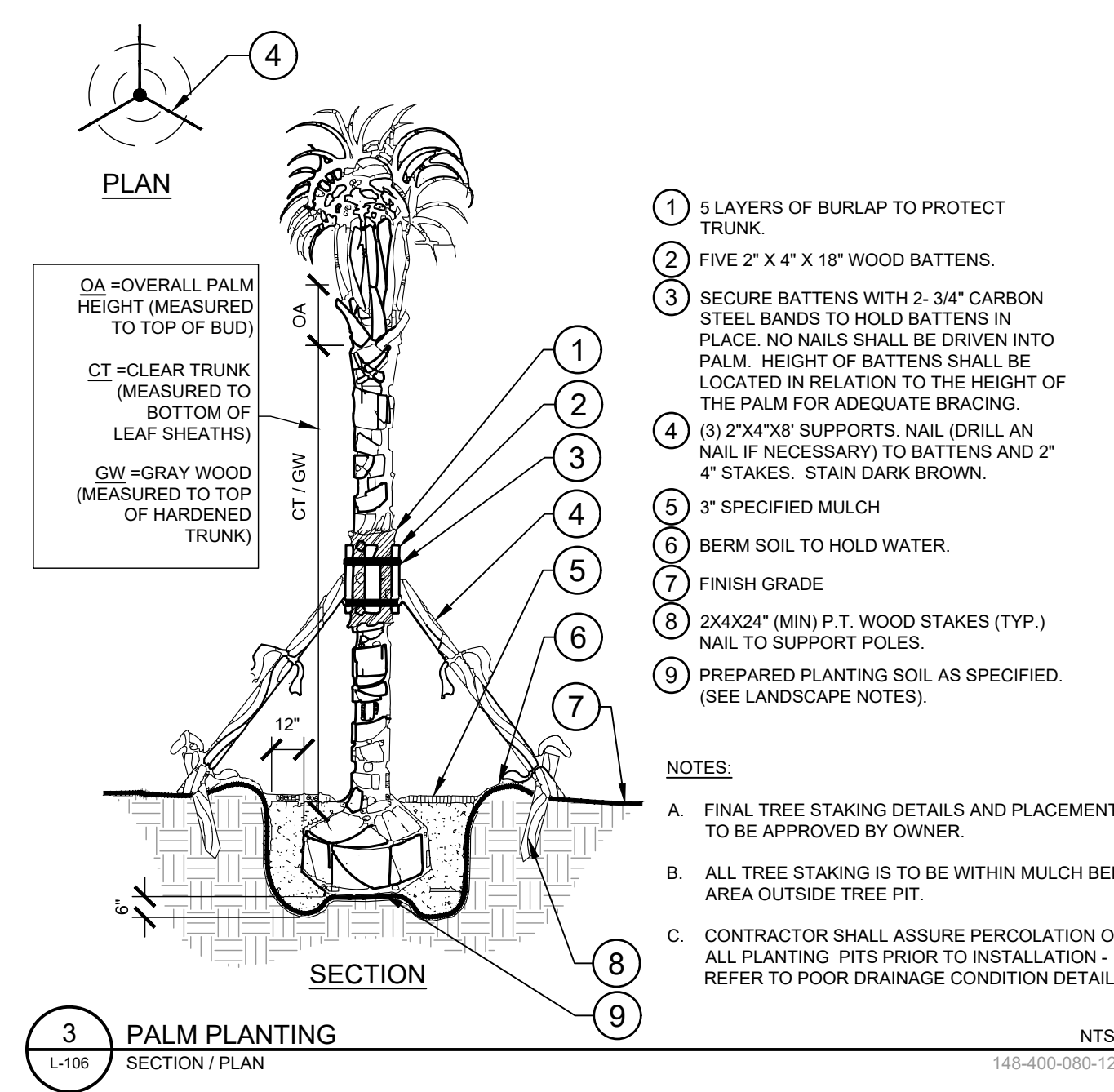
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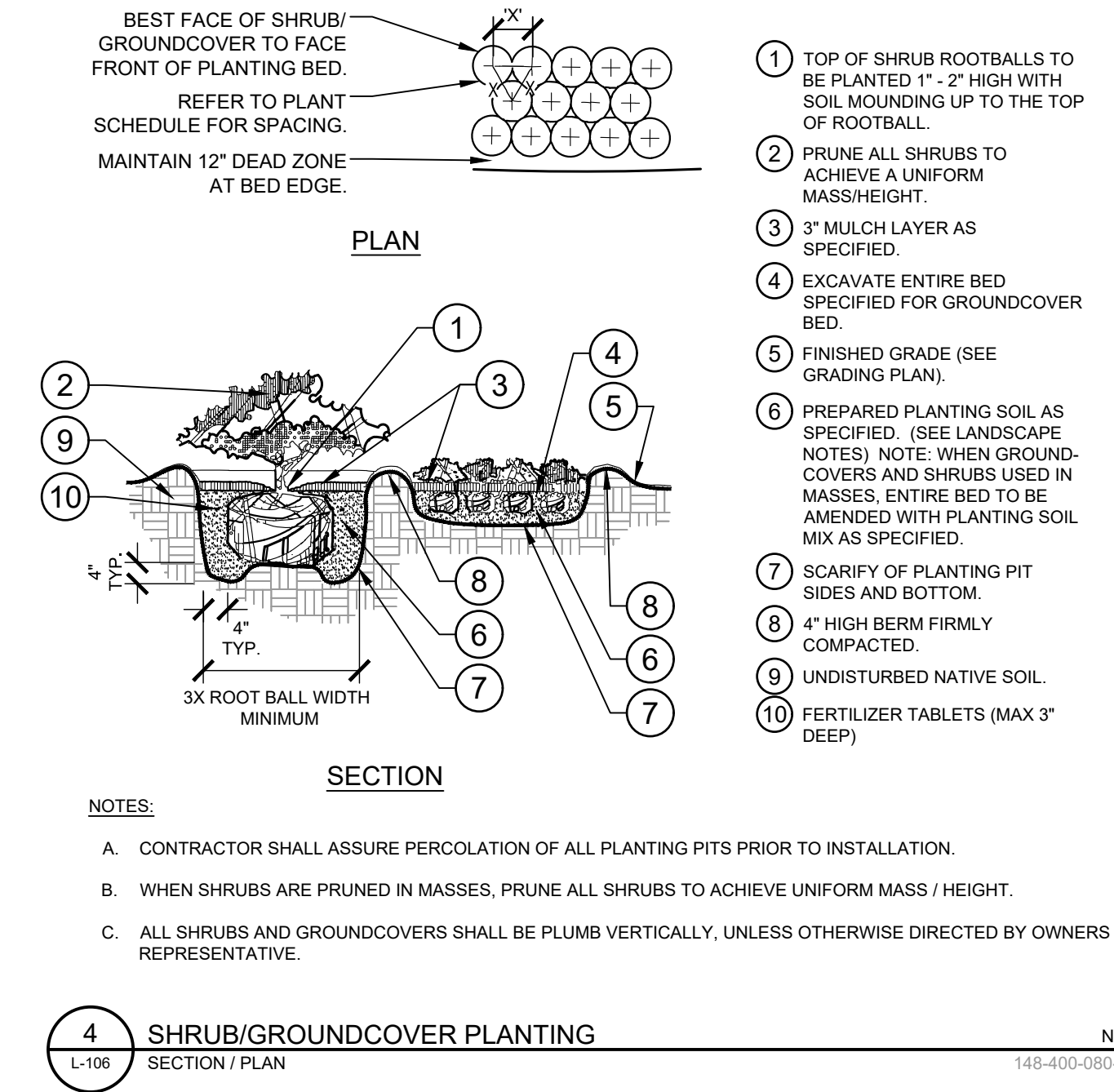
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L-106 SECTION / PLAN 148-400-080-02



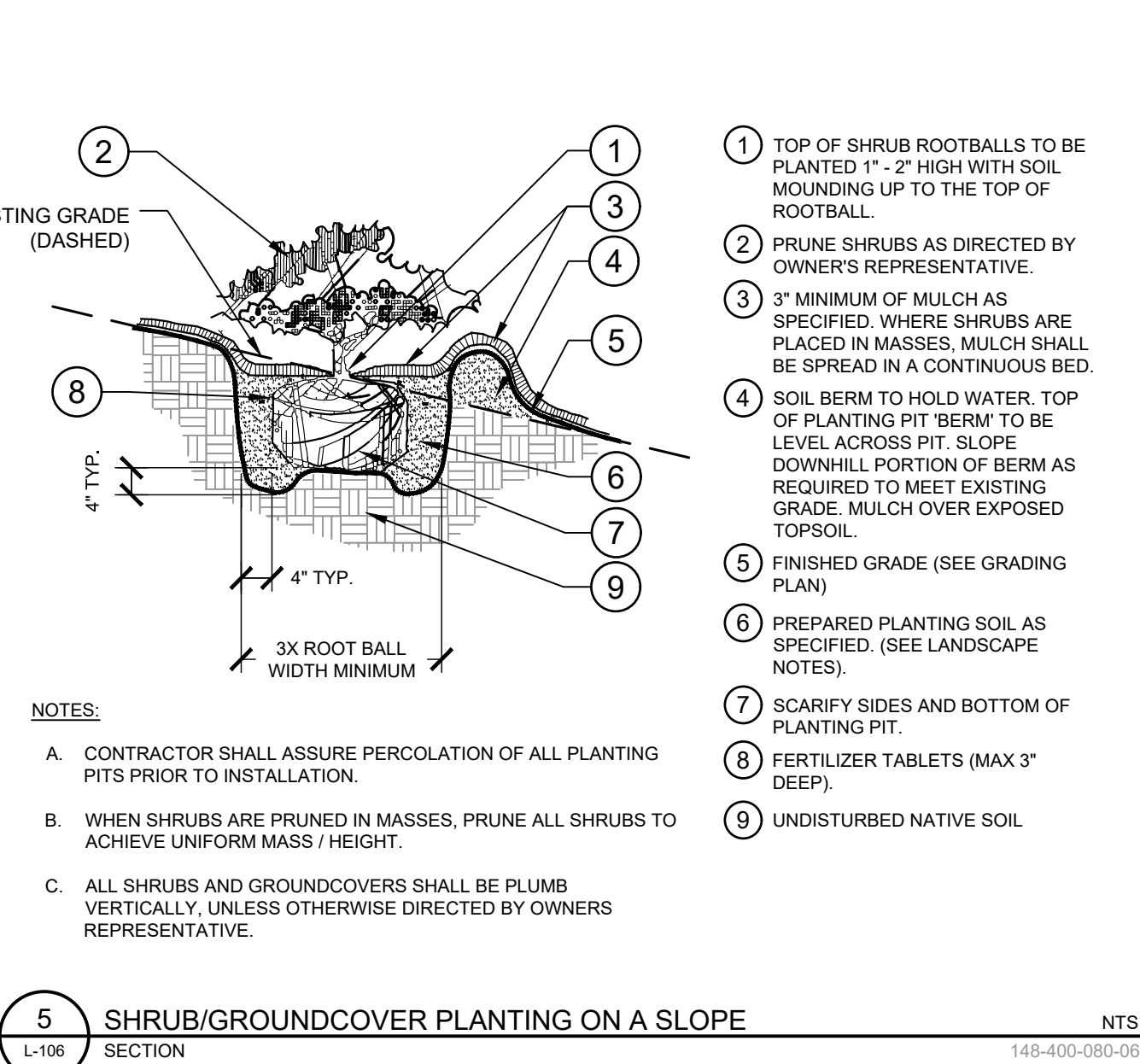
2 TREE PLANTING ON A SLOPE NTS
L-106 SECTION / PLAN 148-400-080-03



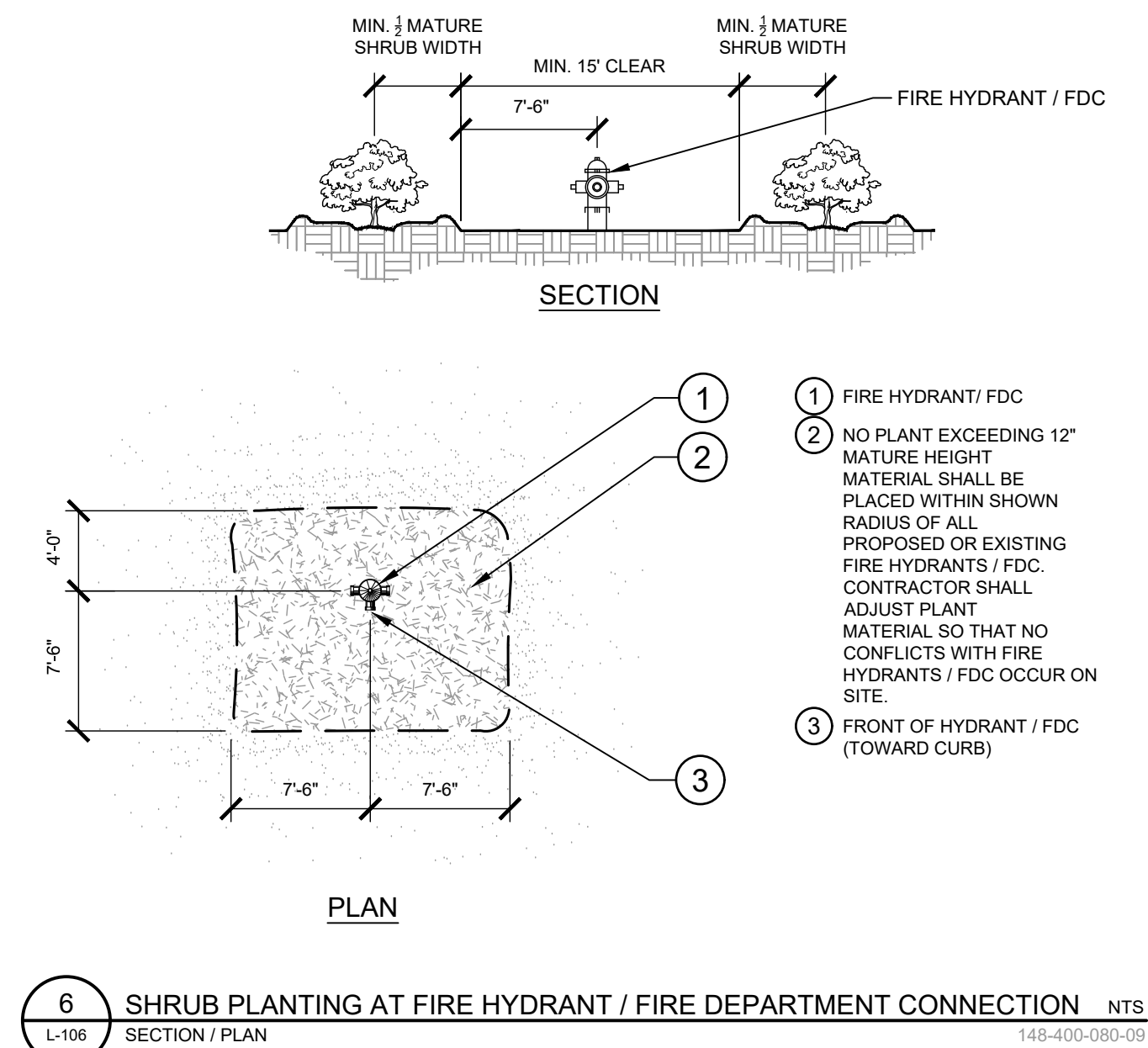
3 PALM PLANTING NTS
L-106 SECTION / PLAN 148-400-080-12



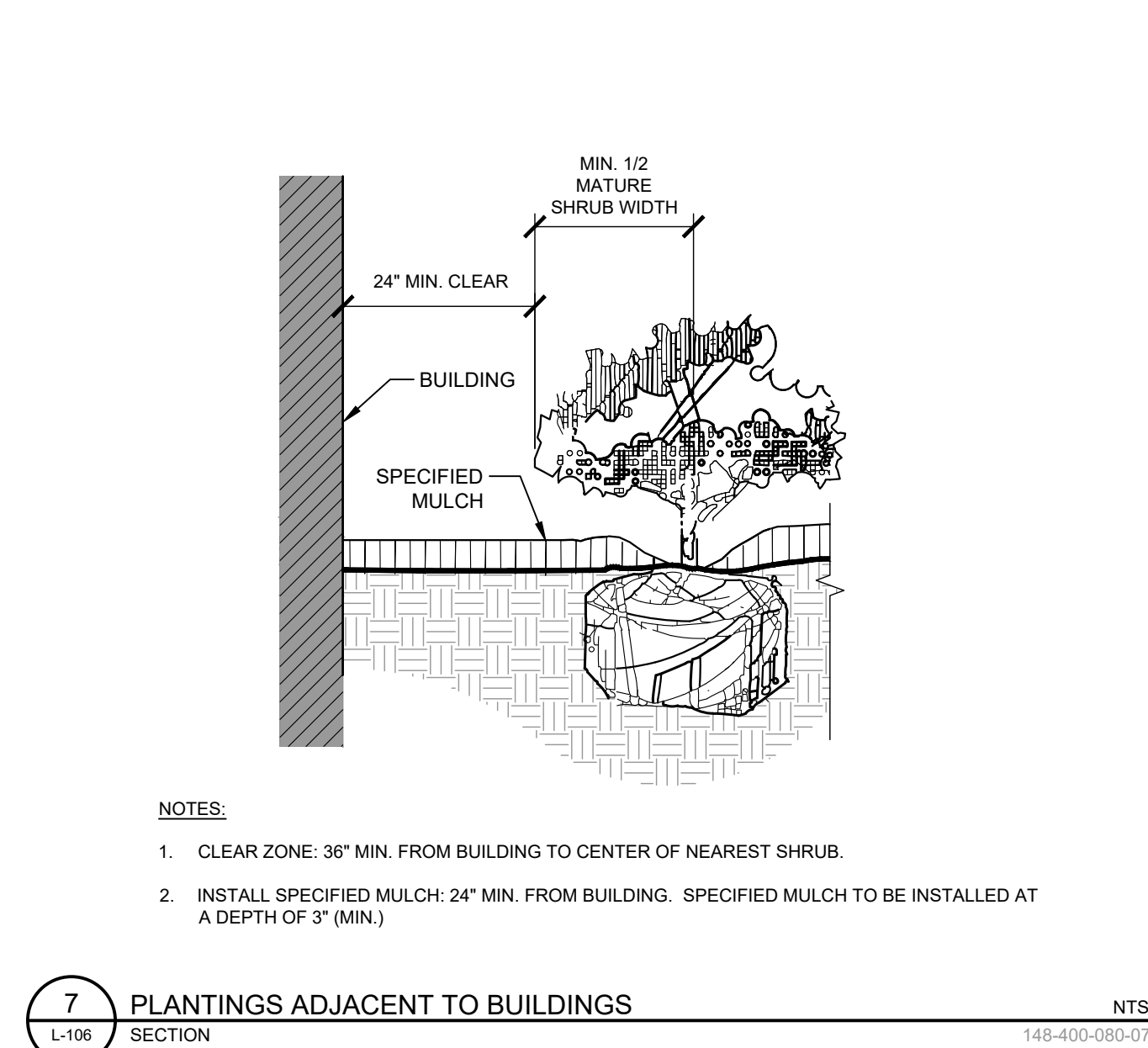
4 SHRUB/GROUNDCOVER PLANTING NTS
L-106 SECTION / PLAN 148-400-080-04



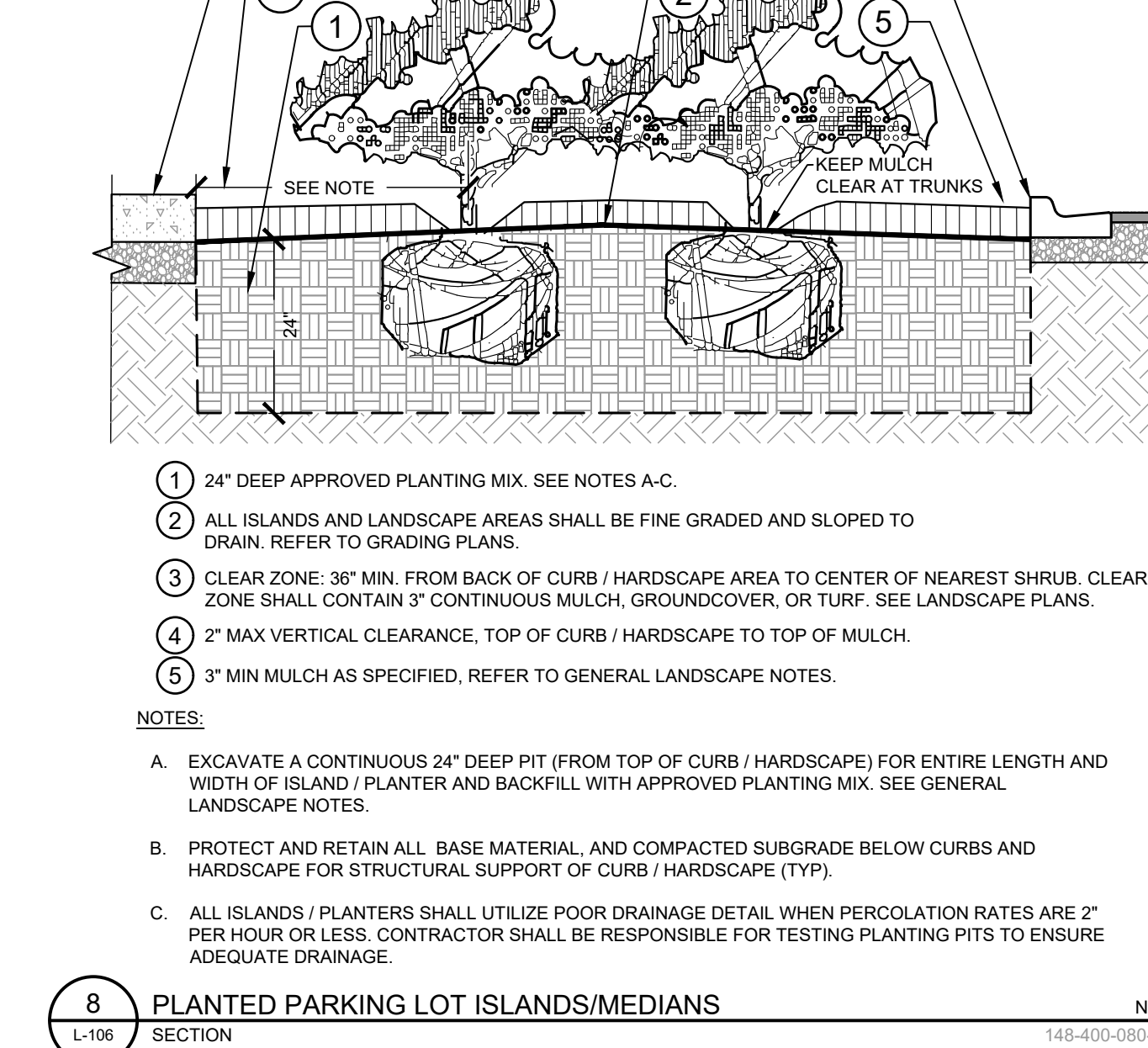
5 SHRUB/GROUNDCOVER PLANTING ON A SLOPE NTS
L-106 SECTION 148-400-080-06



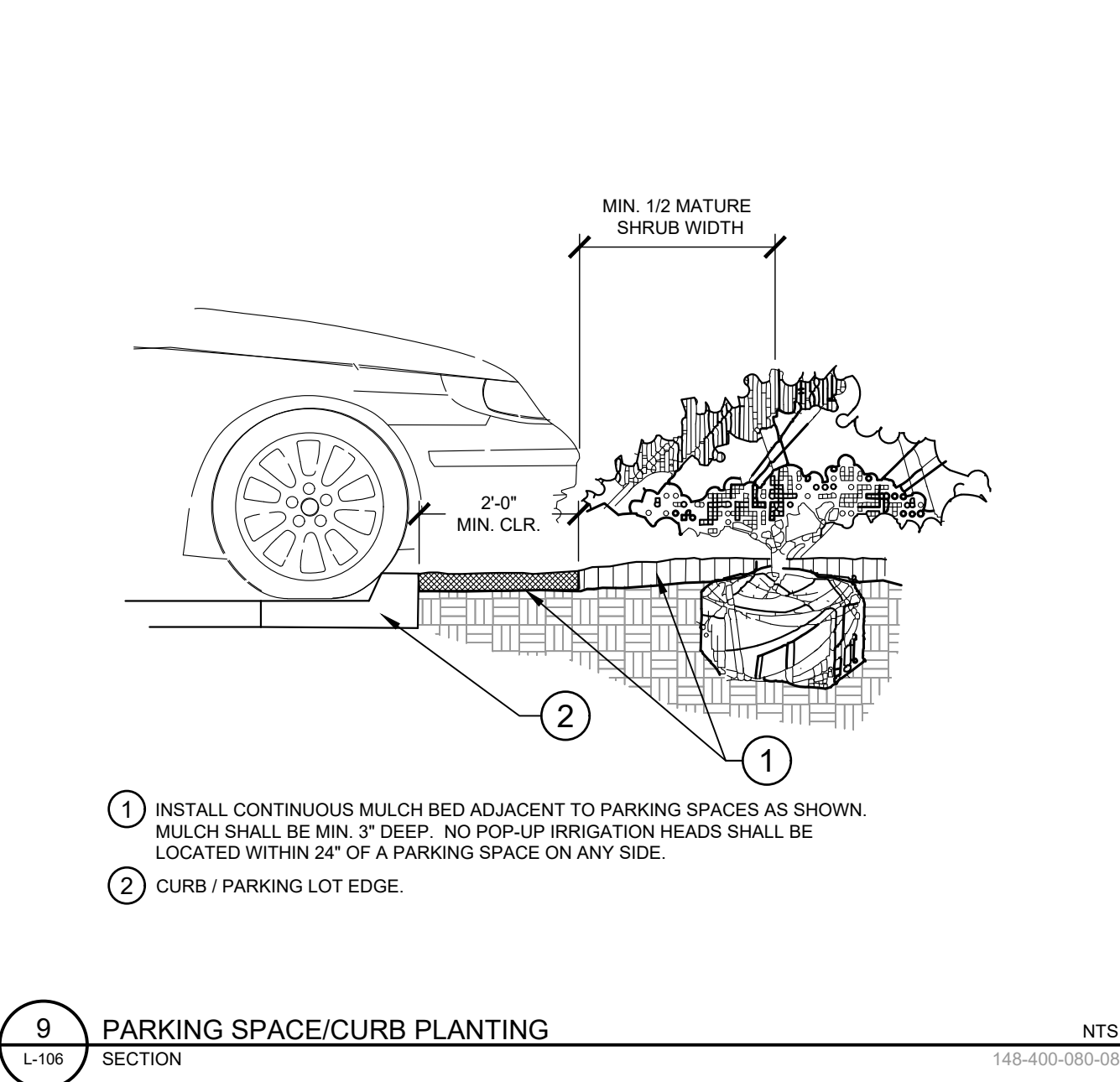
6 SHRUB PLANTING AT FIRE HYDRANT / FIRE DEPARTMENT CONNECTION NTS
L-106 SECTION / PLAN 148-400-080-09



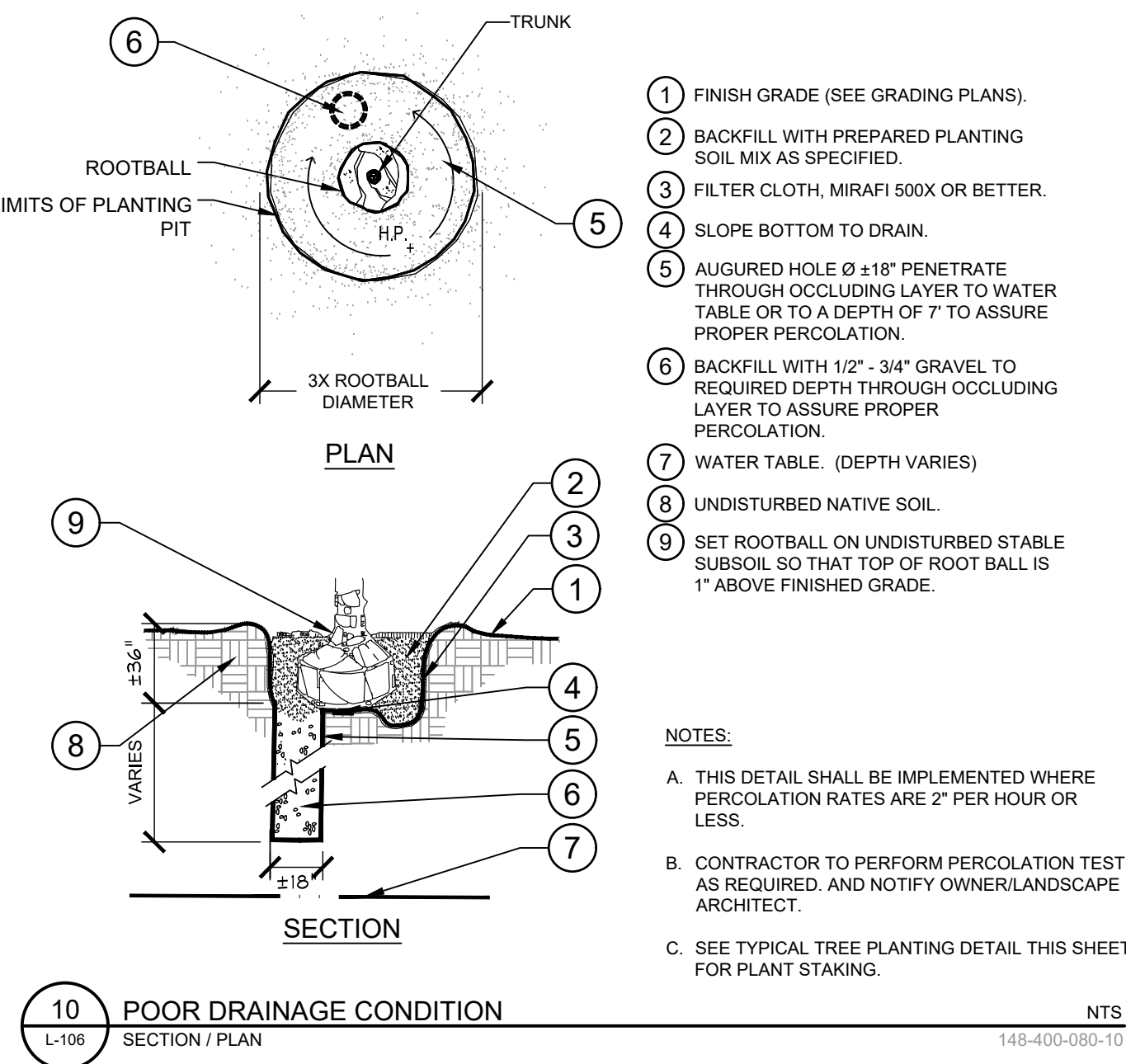
7 PLANTINGS ADJACENT TO BUILDINGS NTS
L-106 SECTION 148-400-080-07



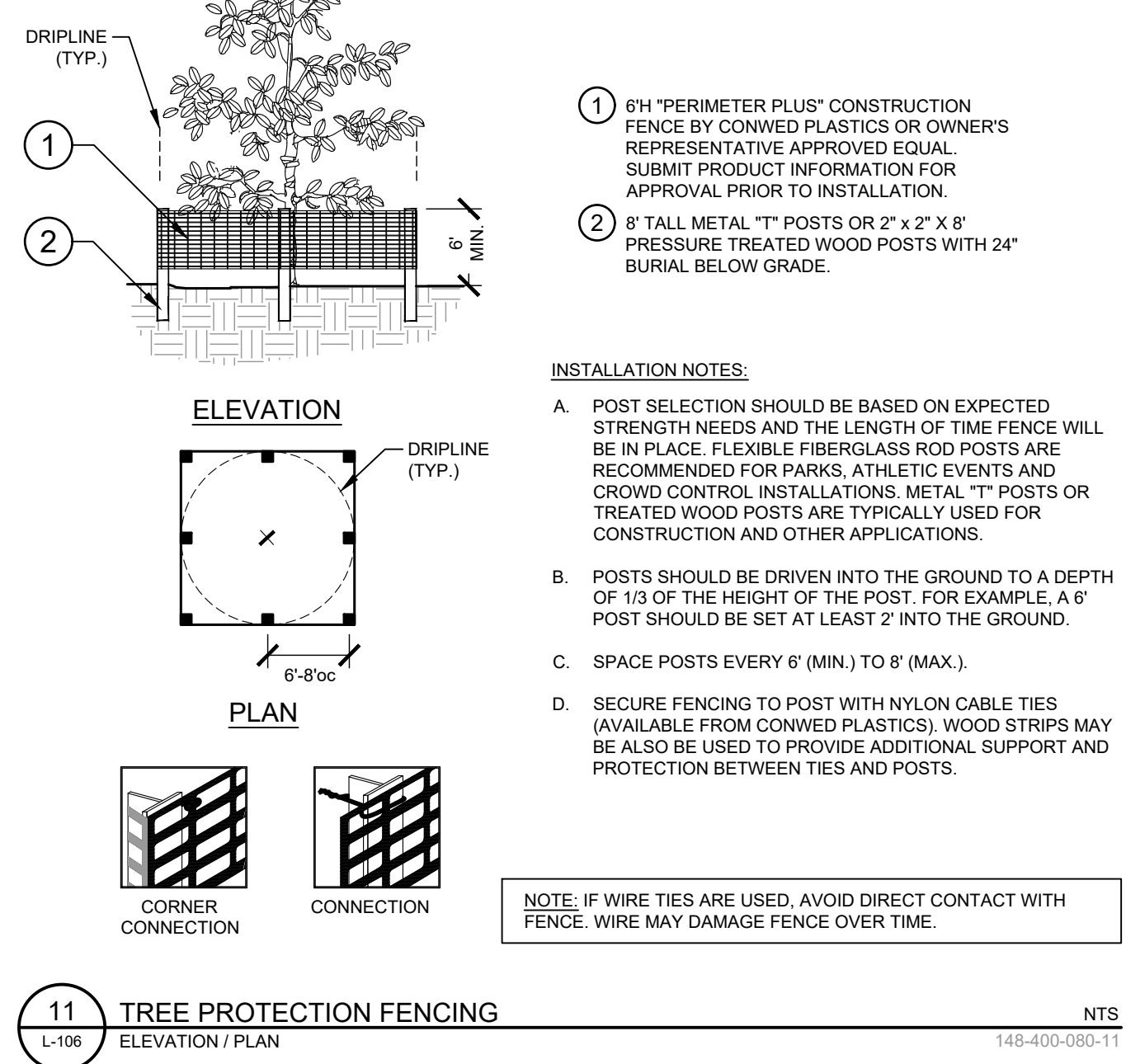
8 PLANTED PARKING LOT ISLANDS/MEDIANS NTS
L-106 SECTION 148-400-080-05



9 PARKING SPACE/CURB PLANTING NTS
L-106 SECTION 148-400-080-05



10 POOR DRAINAGE CONDITION NTS
L-106 SECTION / PLAN 148-400-080-10



11 TREE PROTECTION FENCING NTS
L-106 ELEVATION / PLAN 148-400-080-11

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LANDSCAPE DETAILS		SHEET NUMBER L-106	