CONSTRUCTION PLANS FOR VILLAGE PARK DUGOUT REPLACEMENT

VILLAGE COUNCIL

ANNE GERWIG - MAYOR

MICHAEL J. DRAHOS - VICE MAYOR

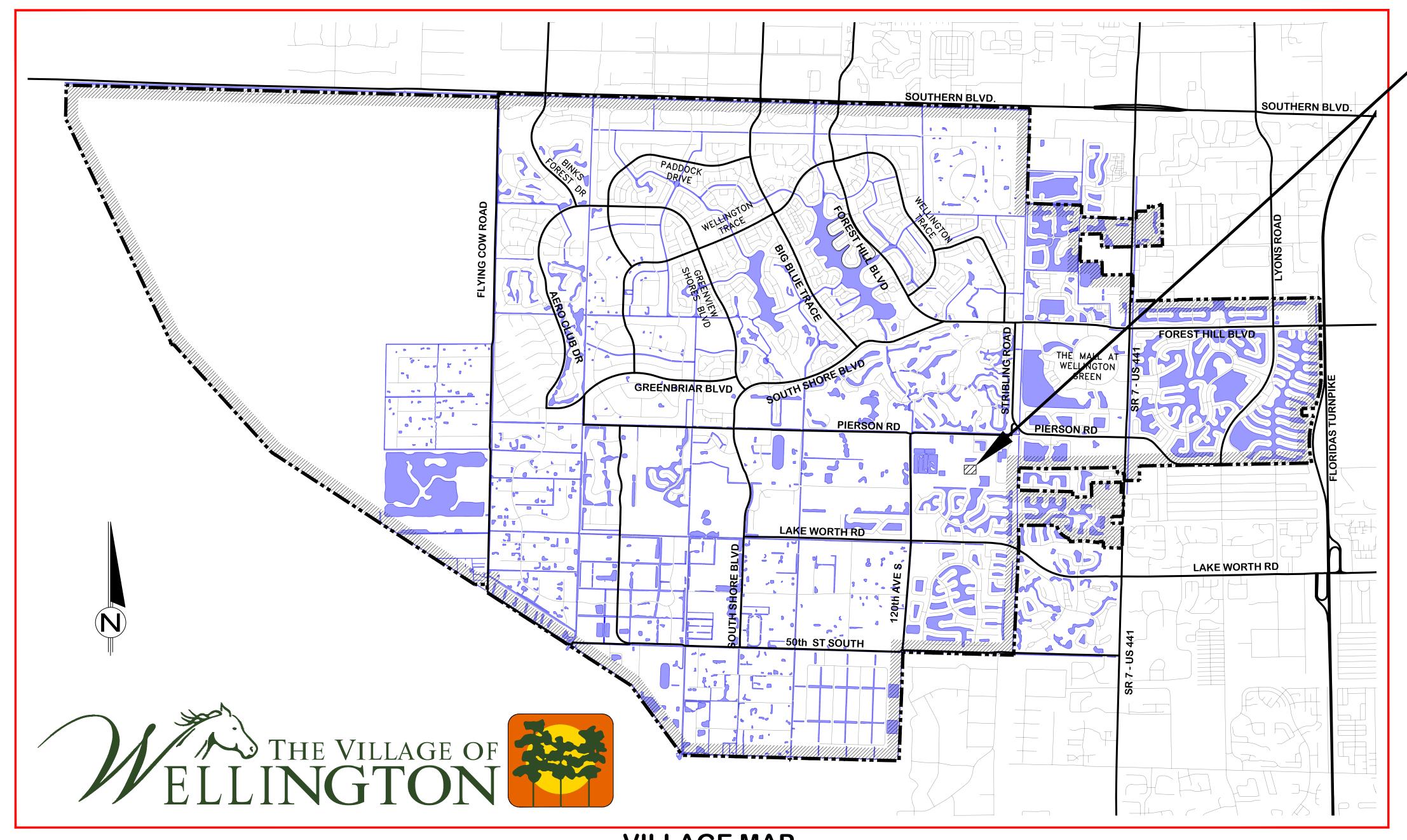
JOHN McGOVERN - COUNCILMAN

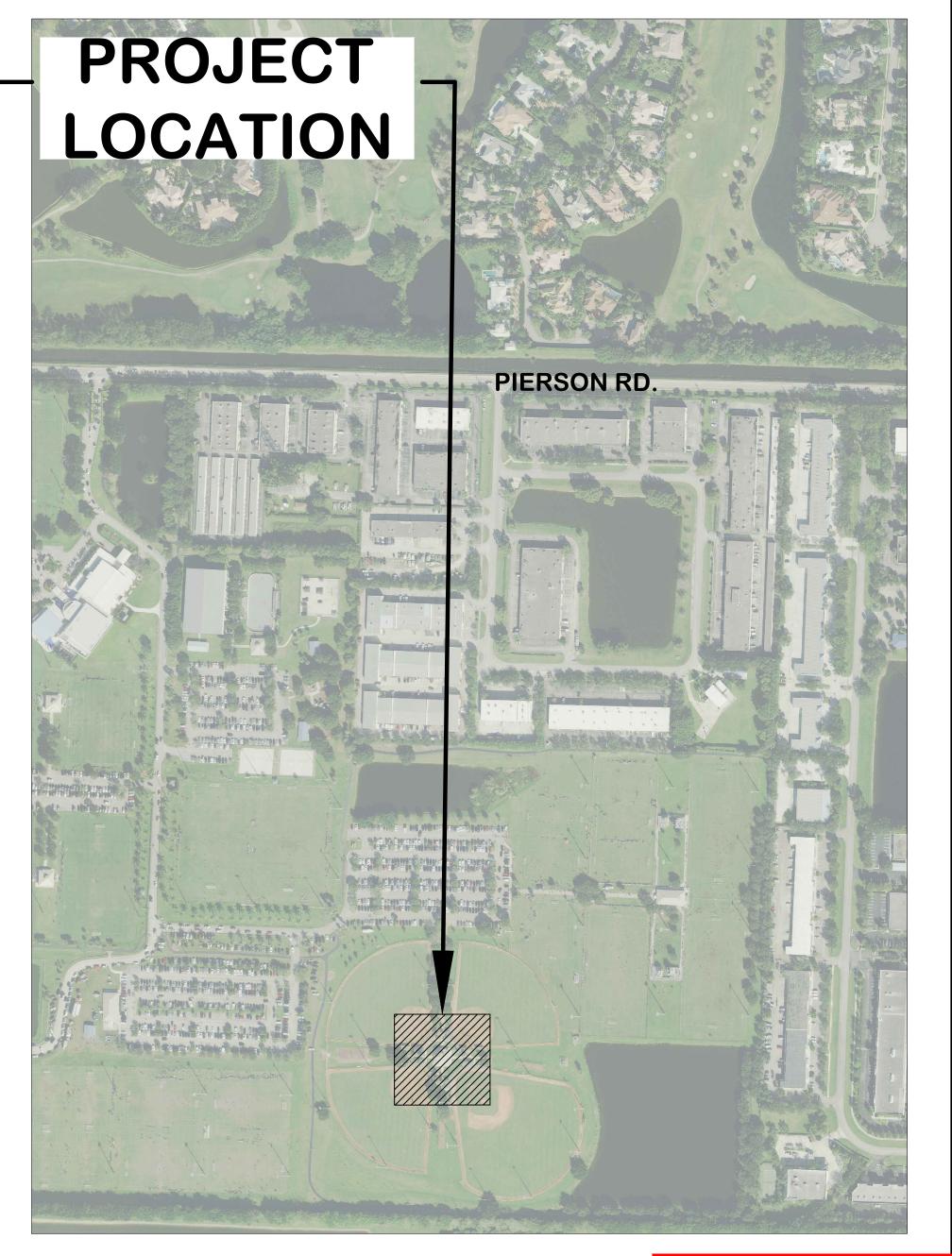
MICHAEL NAPOLEONE - COUNCILMAN

TANYA SISKIND - COUNCILWOMAN

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
COV	COVER	A100	GENERAL NOTES AND SCHEDULES
C.1	GENERAL NOTES	A102	PLAN VIEW, SECTIONS/DETAILS AND
C.2	DEMOLITION PLAN		ELEVATIONS
C .3	GRADING AND DRAINAGE PL	AN A103	ALTERNATE SLAB PLAN VIEW AND
C.4	DETAILS AND TYPICAL SECT	ION	SECTION
C. 5	BENCH SPECIFICATION		

DRAWING INDEX



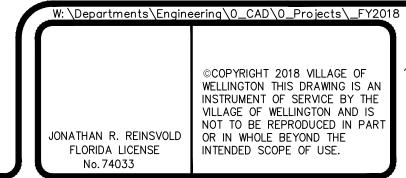


VILLAGE MAP 1:3,000 SCALE

PAUL SCHOFIELD - VILLAGE MANAGER
THOMAS J. LUNDEEN, P.E. - VILLAGE ENGINEER
JONATHAN REINSVOLD, P.E. - PROJECT MANAGER

REPRODUCTION:
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.







	10/03/ 2016					
,,,,,,,						
START DATE	06/2018	S				
DRAWN	A.T.D.	H_N	COV			
PROJECT ENGINEER	J.R.R.	E E T	00 V			
PROJECT MANAGER	J.R.R.	'	JOB NO.			
CHECKED	J.R.R.		N/A			

BID PLANS

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO FDOT SPECIFICATIONS AND DESIGN STANDARDS, LATEST EDITION, UNLESS SPECIFIED

2. WORK INCLUDED a. THE CONTRACTOR SHALL FURNISH ALL LABOR, SUPERINTENDENCE, QUALITY CONTROL, MATERIALS, PLANT, POWER, LIGHT HEAT, FUEL, WATER, TOOLS, APPLIANCES, EQUIPMENT, SUPPLIES, AND OTHER MEANS OF CONSTRUCTION NECESSARY AND PROPER FOR PERFORMING AND COMPLETING THE WORK. CONTRACTOR SHALL PERFORM AND COMPLETE THE WORK IN THE

MANNER BEST CALCULATED TO PROMOTE SCHEDULED CONSTRUCTION CONSISTENT WITH SAFETY OF LIFE AND PROPERTY AND TO THE SATISFACTION OF THE OWNER, AND IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL CLEAN UP THE WORK, MAINTAIN IT DURING CONSTRUCTION, AND PAY ALL COSTS INCIDENTAL THERETO. CONTRACTOR SHALL REPAIR OR RESTORE ALL STRUCTURES AND PROPERTY THAT MAY BE DAMAGED OR DISTURBED DURING PERFORMANCE OF THE WORK.

b. THE COST OF INCIDENTAL WORK DESCRIBED IN THESE GENERAL REQUIREMENTS, FOR WHICH THERE ARE NO SPECIFIC CONTRACT ITEMS. SHALL BE CONSIDERED AS PART OF THE GENERAL COST OF DOING THE WORK AND SHALL BE INCLUDED IN THE PRICES FOR THE VARIOUS CONTRACT ITEMS. NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE

c. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUCH MODERN PLANT, TOOLS, AND EQUIPMENT AS MAY BE NECESSARY IN THE OPINION OF THE ENGINEER, TO PERFORM IN A SATISFACTORY AND ACCEPTABLE MANNER ALL THE WORK REQUIRED BY THE CONTRACT. ONLY EQUIPMENT OF ESTABLISHED REPUTATION AND PROVEN EFFICIENCY SHALL BE USED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE ADEQUACY OF WORKMANSHIP, MATERIALS AND EQUIPMENT, PRIOR APPROVAL OF THE ENGINEER NOTWITHSTANDING 3. SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

a. SUBMIT AT LEAST FIVE (5) COPIES OF ALL REQUIRED SHOP DRAWINGS, PRODUCT DATA AND SAMPLES FOR ENGINEER'S REVIEW.

b. SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND TRANSMITTAL LETTERS PERTAINING THERETO SHALL BE IDENTIFIED WITH THE TITLE OF THE PROJECT, SUBMISSION DATE, AND THE CONTRACTOR'S ACKNOWLEDGEMENT THAT HE HAS REVIEWED THEM

AND FOUND THEM ACCEPTABLE. c. NOTIFY ENGINEER IN WRITING, AT THE TIME OF SUBMITTAL, OF ANY DEVIATIONS IN THE SUBMITTALS FROM THE REQUIREMENTS OF THE CONTACT DOCUMENTS.

d. THE REVIEW AND APPROVAL OF SHOP DRAWINGS, SAMPLES OR PRODUCT DATA BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR FROM HIS/HER RESPONSIBILITY WITH REGARD TO THE FULFILLMENT OF THE TERMS OF THE CONTRACT DOCUMENTS. ALL RISKS OF ERROR AND OMISSION ARE ASSUMED BY THE CONTRACTOR AND THE ENGINEER WILL HAVE NO RESPONSIBILITY THEREFORE

4. THE LOCATION OF ALL EXISTING UTILITIES SHOWN IN THE PLANS ARE PROXIMATE ONLY AND ARE BASED ON AS BUILT SURVEY INFORMATION. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY AND ALL KNOWN CONFLICTS WITH EXISTING UTILITIES SHALL BE REPORTED TO THE CONSULTANT. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. DETERMINATION OF THE EXACT LOCATION OF ANY/ALL UTILITIES WHICH MAY BE INVOLVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING UTILITY LOCATION PRIOR TO SUBMITTING SHOP DRAWINGS OF PRECAST COMPLEX STRUCTURES FOR APPROVAL.

<u>UTILITY OWNERS & CONTACT:</u> TELEPHONE NO. AT&T SANDRA EMERT (561) 357-6616 COMCAST CABLEVISION JEANNINE MCENROE (561) 881-3255FLORIDA POWER & LIGHT ALAN BOAZ (561) 575-6346 FLORIDA PUBLIC UTILITIES VINCE KREPPS (561) 684-4030 VILLAGE OF WELLINGTON COREY ROBINSON (561) 753-2464 PALM BEACH COUNTY TRAFFIC COMMUNICATION SUPERINTENDENT (561) 533-3900

5. THE CONTRACTOR SHALL NOTIFY THE PROPER UTILITY COMPANY AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATION NEAR OR AROUND THEIR FACILITY SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.

6. THE CONTRACTOR IS TO USE EXTREME CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.

7. THE CONTRACTOR IS TO PROTECT UNDERGROUND UTILITIES DURING CONSTRUCTION AT ALL TIMES.

8. FOR UTILITY ADJUSTMENT SYMBOLS, SEE FDOT STANDARD INDEX 002.

9. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED THE PROJECT ENGINEER SHALL NOTIFY THE COUNTY SURVEYOR WITHOUT THE WAY BY TELEPHONE.

ALL ELEVATIONS ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 IN FEET.

TOPOGRAPHIC SURVEY PERFORMED BY ENGENUITY ON 10/14.

ANY NGVD 29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED.

13. ALL EXISTING TREES & SHRUBS IN CONFLICT WITH PROPOSED PATHWAYS WITHIN R/W SHALL BE REMOVED.

NEATLY REMOVE OR PRUNE ALL EXIST. TREES, HEDGES AND OTHER VEGETATION (INCLUDING THOSE NOT SHOWN HEREON) AS NECESSARY TO PROVIDE MINIMUM CLEARANCES OF 1FT HORIZONTAL AND 10FT VERTICAL FROM THE PROPOSED PATH. 15. ALL PEDESTRIAN ROUTES SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT. CROSS SLOPES SHALL NOT EXCEED 2% AND LONGITUDINAL SLOPES SHALL NOT EXCEED 5%. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE

17. ALL EXISTING PIPES THAT ARE TO REMAIN ARE TO BE CLEANED OUT (DESILTED) AS DIRECTED BY THE ENGINEER. 18. ALL STATIONS AND OFFSETS ARE FROM THE CENTERLINE OF CONSTRUCTION TO THE EDGE OF PAVEMENT UNLESS

19. RADII, DIMENSIONS AND ELEVATIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. PROPOSED GRADES SHOWN OUR FINISH GRADES.

FOR DETAILS OF CURB CUT RAMPS SEE FDOT STANDARD INDEX NO. 304.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING LANDSCAPING AND IRRIGATION SYSTEMS LOCATED ON PRIVATE PROPERTY. REPAIR OR REPLACEMENT OF SYSTEMS DAMAGE BY THE CONTRACTOR SHALL BE MADE AT THE EXPENSE OF THE CONTRACTOR.

23. THE CONTRACTOR AND OR HIS SUBCONTRACTORS SHALL BE IN COMPLIANCE WITH CURRENT OSHA, STATE, COUNTY AND LOCAL REGULATIONS, WHICH INCLUDE BUT ARE NOT LIMITED TO 54 CFR 45894 AND 29 CFR 1926.650 & 651 AND THE FLORIDA TRENCH SAFETY ACT.

24. CONTRACTOR SHALL OBTAIN A "DEWATERING GENERAL WATER USE PERMIT" FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT PRIOR TO COMMENCING DEWATERING UNLESS THE WORK QUALIFIES FOR A 'NO-NOTICE' AUTHORIZATION AS DESCRIBED IN RULE 40E-20.302(3) OF THE FLORIDA ADMINISTRATIVE CODE.AND APPROVE SET OF CONSTRUCTION PLANS AND CONTRACT DOCUMENTS SHALL BE MAINTAINED BY THE CONTRACTOR ON SITE AT ALL TIMES DURING CONSTRUCTION OPERATIONS. 25. SALVAGE MATERIAL

a. ALL SALVAGEABLE MATERIAL AND EQUIPMENT REMOVED FROM THE EXISTING CONSTRUCTION FOR WHICH SPECIFIC USE, RELOCATION OR OTHER DISPOSAL IS NOT SPECIFICALLY NOTED ON THE DRAWINGS OR OTHERWISE SPECIFIED, SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO HIM. ALL MATERIAL AND EQUIPMENT NOT IN SALVAGEABLE CONDITION AS DETERMINED BY THE ENGINEER, SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER AT THE CONTRACTOR'S EXPENSE. THE ACTUAL STORAGE SITE FOR SALVAGEABLE MATERIAL WILL BE DESIGNATED BY THE OWNER.

28. CLEANING a. DURING CONSTRUCTION OF THE WORK, THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS AND RUBBISH AS IS PRACTICABLE AND SHALL REMOVE THE SAME FROM ANY PORTION OF THE SITE IF, IN THE OPINION OF THE ENGINEER, SUCH MATERIAL, DEBRIS, OR RUBBISH CONSTITUTES A NUISANCE OR IS OBJECTIONABLE.

b. AT THE CONCLUSION OF THE WORK, ALL TOOLS, TEMPORARY STRUCTURES AND MATERIALS BELONGING TO THE CONTRACTOR SHALL BE PROMPTLY TAKEN AWAY AND CONTRACTOR SHALL REMOVE AND PROMPTLY DISPOSE OF ALL RUBBISH OR ANY OTHER FOREIGN MATERIALS. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL MATERIAL INSTALLED AND SHALL DELIVER SUCH MATERIALS UNDAMAGED IN A CLEAN AND NEW CONDITION.

DRAINAGE:

1. NOTIFY ENGINEER OF FIELD CONFLICTS OR DESIGN DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.

2. EXISTING WATER, SEWER AND DRAINAGE SYSTEMS ARE REPRESENTED AS DASHED LINES AND SHALL BE VERIFIED BY CONTRACTOR.

3. CONTRACTOR SHALL PROTECT ALL UTILITIES AND PUBLIC IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR ALL DAMAGES CAUSED DURING CONSTRUCTION AND SHALL REPAIR SAID DAMAGES AT HIS EXPENSE. CONTRACTOR TO RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION TO ORIGINAL OR BETTER CONDITION.

4. SUPPORT OR THE RELOCATION OF EXISTING STREETLIGHT POLES POWER OR TELEPHONE POLES, EXISTING UTILITIES, IRRIGATION SYSTEMS, SIDEWALKS, WALLS, ETC., NECESSARY FOR COMPLETION OF THIS WORK ARE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.

5. INFORMATION SHOWN ON THESE DRAWINGS AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE LATEST AND MOST RELIABLE DATA AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT TO BE GUARANTEED, HOWEVER, AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE LOCATION, CHARACTER AND DEPTH OF ANY EXISTING UTILITIES. ALL "AS-BUILT" INFORMATION INCLUDING LOCATION AND ELEVATION OF UTILITY STUB OUTS TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OR ORDERING OF STRUCTURES. NOTIFY ENGINEER OF DISCREPANCIES/CONFLICTS

6. ALL DRAINAGE CONSTRUCTION SHALL CONFORM TO FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST ADDITION) AND THE VILLAGE OF WELLINGTON REQUIREMENTS.

7. ALL DRAINAGE PIPE SHOWN AS RCP SHELBY REINFORCED CONCRETE PIPE CLASS III, WALL "B" AND CONFORMING TO THE FLORIDA DEPARTMENT OF TRANSPORTATION

8. CONTRACTOR SHALL PROVIDE ADEQUATE EQUIPMENT FOR THE REMOVAL OF STORM, SURFACE AND/OR SUBSURFACE WATER WHICH MAY ACCUMULATE IN THE EXCAVATION AREAS SO THAT IT WILL BE SUITABLY DRIVE FOR WORK REQUIRED.

9. NO OFF-SITE DISCHARGE FROM DEWATERING OPERATION SHALL BE PERMITTED UNLESS THE CONTRACTOR SECURES WRITTEN PERMISSION FROM THE GOVERNING AUTHORITIES.

10. WHERE ENCOUNTERED, MARK SHALL BE COMPLETELY REMOVED FROM THE PAVED AREAS TEND TO BE ON THE EDGE OF PAVEMENT EACH SIDE. 11. CONTRACTOR TO PROVIDE TEST REPORTS FROM AN INDEPENDENT LABORATORY

FOR PROCTORS AND DENSITIES ON BASE UPGRADING PIPE BACKFILL 12. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE PAVING AND DRAINAGE, WATER AND SEWER CONSTRUCTION RECORD INFORMATION TO THE ENGINEER.

13. CONTRACTOR SHALL ARRANGE FOR THE ENGINEER TO OBSERVE: a. STORM SEWER AFTER GROUTING AND WHEN BACKFILL IS COMPLETED TO THE

MIDPOINT OF THE PIPE.

b. STRINGLINING OF SUBGRADE.

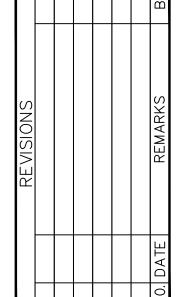
c. STRINGLINING /BOARDING OF BASE.

14. THE CONTRACTOR SHALL FILL AND FIND GRADE ALL PLANTING AREAS, LEAVING THE FINISH GRADE SMOOTH AND READY TO RECEIVE SOD OR OTHER PLANNING MATERIAL. WHERE SODUS DESIRED, THE FINISH GRADE SHALL BE 2 INCHES LOWER TO ALLOW FOR THICKNESS OF THE GRASS. SPECIAL ATTENTION SHALL BE GIVEN ALONG

EDGE OF PAVEMENT AND SIDEWALKS SO AS NOT TO TRAP WATER. 15. ALL SWELL, RIGHT-OF-WAY AREAS AND YARD AREAS SHALL BE GRADED AND SEATED OR SODDED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. NO AREAS SHALL BE LEFT BARREN OR SUBJECT TO EROSION.

16. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO IT HERE TO ALL OSHA RULES AND FLORIDA LAWS RELATED TO TRENCH SAFETY.

17. CONTRACTOR SHALL ENSURE NO SETTLEMENT OR DEBRIS LEAVE THE SITE OR CONSTRUCTION IN ACCORDANCE WITH NPDES REQUIREMENTS (SILK FENCE, HAYBALE'S OR SOUGHT APRONS ORNAMENTS, WASH ROCK EXIT, ETC. MAY BE REQUIRED TO MEET SAID REQUIREMENTS). CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION IMPLEMENTATION AND CERTIFICATION OF ALL NPDES POLLUTION PREVENTION RELATED MEASURES (IE FILING OF AN AND OI POLLUTION PREVENTION PLAN MONITORING REPORTS, ETC.)



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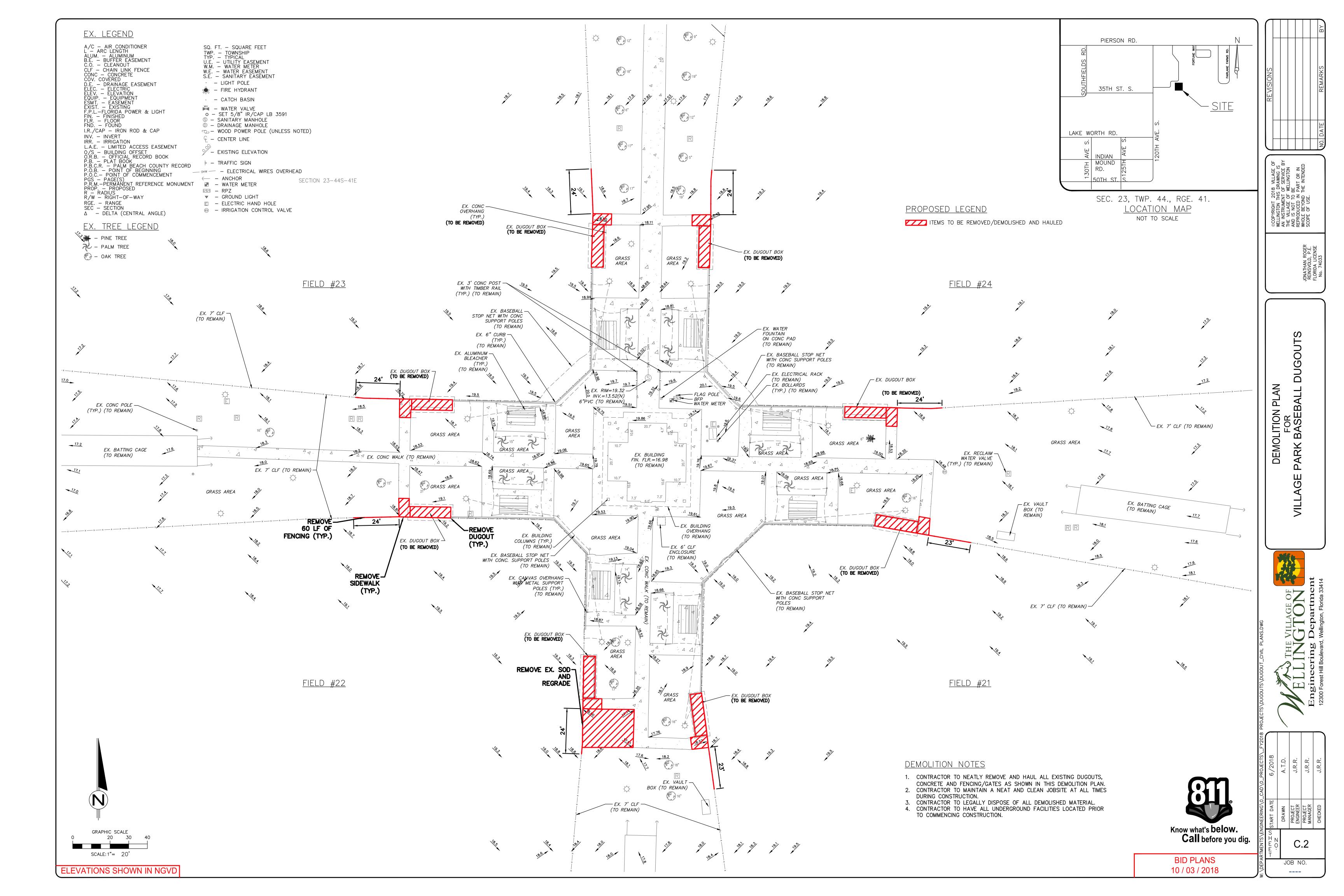


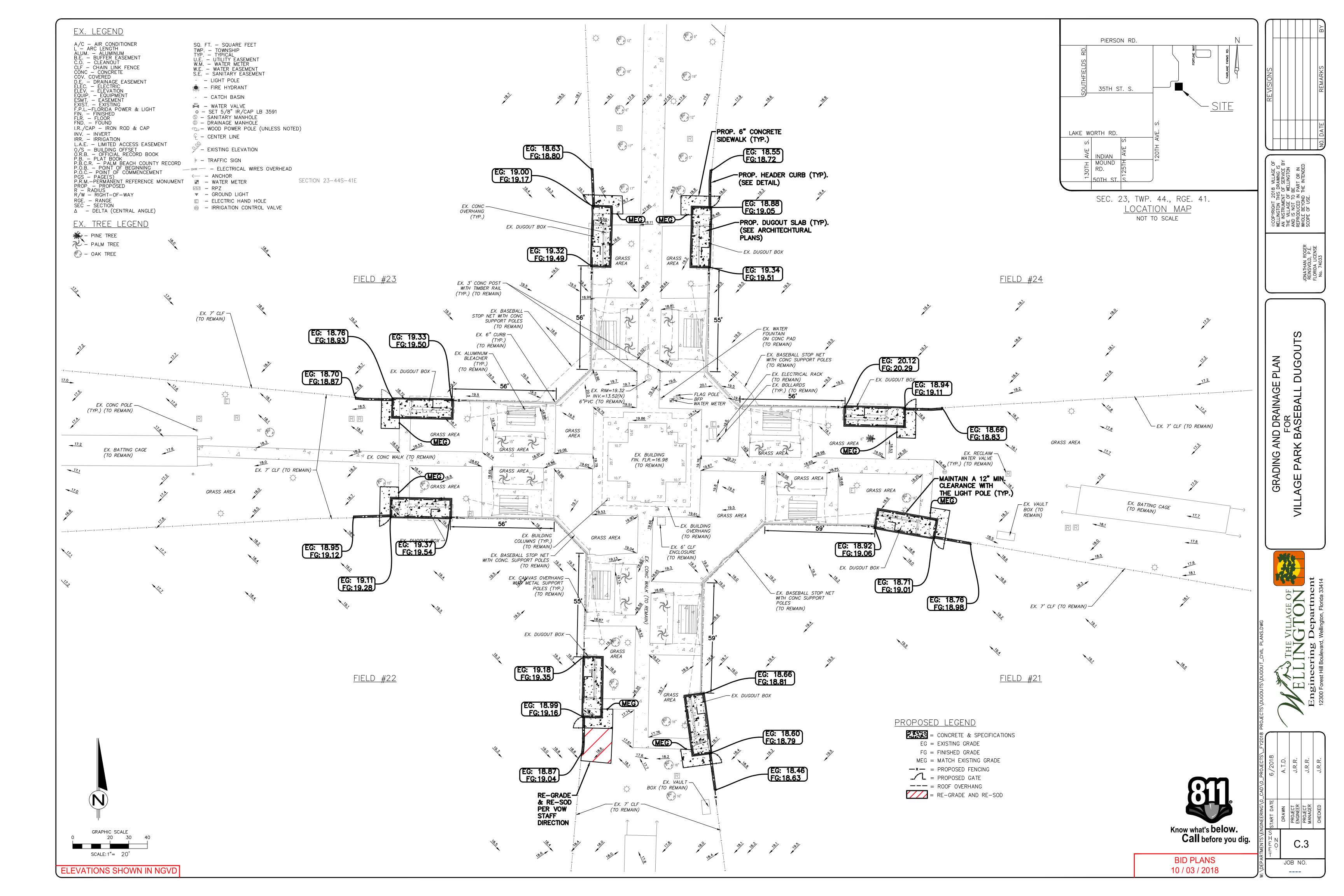
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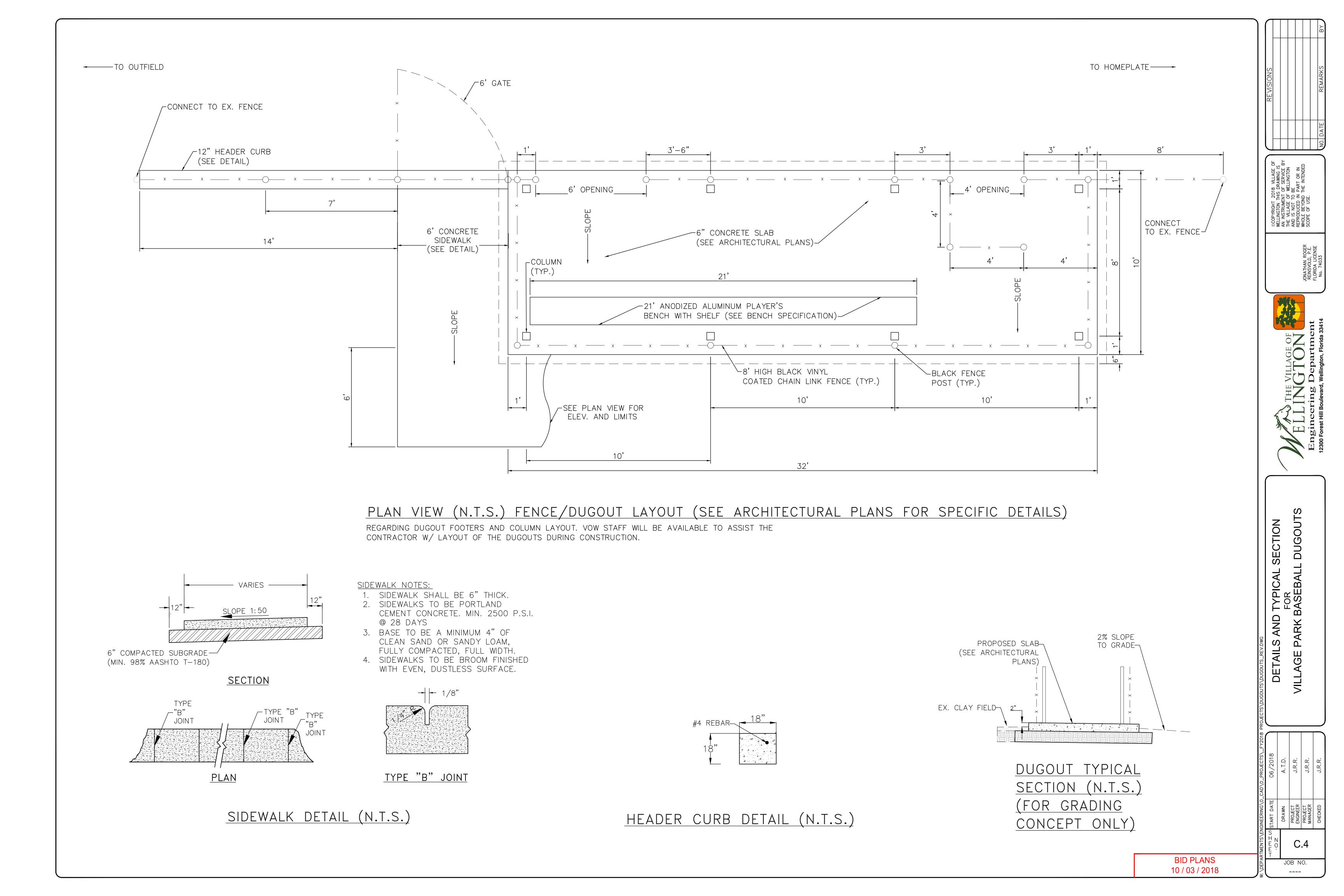
JOB NO.

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BID PLANS 10 / 03 / 2018







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· Finally, players and coathes have a place for equipment • Features 10"VV anodized or

pow den coate diplanks • 20°°W reans helf All aluminum construction. • Portable or surface mount

(re quires drilling holes in

framework) 5 Year Limited Warranty

ANODIZED	ALUMINUM 1	
LENGTH	CODE	PRICE
7.5	BEPS08	‡5 9 # ★
19	BEPS15	1739 <u>™</u> ★
21'	BERS21	1969± ★
27"	B EPS 27	1 <u>,499</u> ± ★
POWDER-C	OATED & BLEC	r color) 🕬
7.5	BEPS08C	1569# *
15	BEFS 15C	19∤9± ★
20	BERS21C	41,319# *





Shelf space allows place for heline ts, scorebooks, caps, water bottles, gloves, etc.



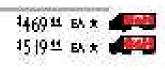


SCORERS TABLEWITH BENCH

- Table and benchare 7.5 L
- All aluminum construction

- Features 10"YV anodized or powder coated aluminum seat planks
 20"YV ribbed aluminum table to p.
 If the osing powder coated, specify color. Forest Green, Navy Blue, Red, Royal Blue
 5 Year Limited Warranty

Natural Aluminum Powder Coated









SAPETY END CAPS

- UV treated poly endcaps
 No Sharp edges
 Designed to fit BSN Sports planks only
 Sold in pack of 6
 Hardware included

BEENDCAP

1911 max x

GYH FLOOR PROTECTOR KIT Non-marring floor protectors Fit any 2-3/8" O.D. material 5 Year Limited Warranty

BEPROT8 7 №2 Bench kit 1919 tor of 4 6' Bench kit 178 ± km of a 2)° Bench kir 136 ± striors

ADD COLOR TO YOUR BENCHES! SPECIFY COLOR WHEN ORDERING



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WELLINGTON T
AN INSTRUMEN
THE VILLAGE
AND IS NOT T
REPRODUCED
WHOLE BEYON
SCOPE OF US

BENCH SPECIFICATION FOR SE PARK BASEBALL DUGOUTS VILLAGE

BID PLANS 10 / 03 / 2018 JOB NO.

C.5

MASTER DRAWINGS FOR: **NEW DUGOUTS**

INDEX OF DRAWINGS

GC - GENERAL INFORMATION A100 GENERAL NOTES & SCHEDULES

A101 GENERAL NOTES & SCHEDULES (NORTHERN CLIMATE)

A100 - ARCHITECTURAL PLANS

PLAN VIEW, SECTIONS/DETAILS AND ELEVATION

A103 ALTERNATE SLAB PLAN VIEW AND SECTION

DESIGN PARAMETERS:

APPLICABLE CODES:

BUILDING CODES: = FLORIDA BUILDING CODES, BUILDING 2014 FIFTH EDITION DESIGN PURSUANT TO FLORIDA BUILDING CODE CHAPTER 16 BUILDING 2014

RISK FACTOR (FBC 2014 - TABLE 1604.5): I (IMPORTANCE FACTOR 1.0)

BUILDING OCCUPANCY CLASSIFICATION:

GROUP U - UTILITY - ACCESSORY BUILDING

BASIC WIND SPEED (FBC 2014 FIGURE 1609C): SHALL BE BASED ON UP TO 150 MPH WIND SPEED DESIGN BASIS

BUILDING CONSTRUCTION TYPE (FBC 2014 CHAPTER 6): TYPE IIB (UNPROTECTED & UNSPRINKLERED)

EXPOSURE CATEGORY (FBC 2014 1609.4.3): B

WINDBORNE DEBRIS REGION (FBC 2014 1609.1.2): N/A

INTERNAL PRESSURE COEFFICIENTS: +0.55, -.055, (PARTIALLY ENCLOSED)

STRUCTURAL FORCES:

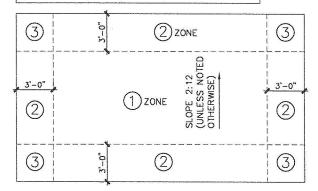
FLOOR DESIGN - C	ONCRETE SLAB ON GR	RADE (OPTIONAL)
ROOF DESIGN	LIVE LOAD DEAD LOAD	20 PSF SELF WT.
ROOF DEFLECTION:	L/240 LIVE LOAD L/180 TOTAL LOAD	

ROOF DESIGN WIND PRESSURE (PSF):

ZONE 1	+13	-37.0	
ZONE 2	+13	-43.9	
ZONE 3	+13	-43.9	

ROOF FASTENERS:

ZONE	1	#14	X	7/8"	-6"	0/0	METAL	SCREWS
ZONE	2	#14	X	7/8"	-4"	0/c	METAL	SCREWS
ZONE	3	#14	х	7/8"	-4"	0/C	METAL	SCREWS



TYPICAL FLAT ROOF FASTENING LAYOUT

	F	ASTENER	S SCHEDU	LE
BOLT SIZE	SIZE LENGTH WASH		QUANTITY	REMARKS
1/2"ø	8-1/2"	YES	AS REQ'D	STEEL PLATE TO CONCRETE FOOTING
1"ø	2"	YES	AS REQ'D	BEAMS TO COLUMNS CONNECTION

COMF	PONENT	SCHEDULE -	- FOR BA	Y SPACING	3 UP TO 12'-6"
ITEM	THICKNESS	S SIZE	MAX HEIGHT OR LENGTH	FASTENERS	REMARKS
COL. 1	1/8"	4" X 4"	11'-0"	SHOP WELD STEEL BASE	
COL. 2	1/8"	4" X 4"	11'-0"	SHOP WELD STEEL BASE	
BM-1	1/8"	4" X 4"	12'-6"	1" DIA. X 2" 2 REQUIRED	FRONT & REAR BEAM
BM-2	1/8"	4" X 4"	12'-6"	1" DIA. X 2" 2 REQUIRED	CENTER CROSS BEAM
BM-3	1/8"	4" X 4"	10'-0"	1" DIA. X 2" 2 REQUIRED	
BM-4	1/8*	4" X 4"	9'-0"	1" DIA. X 2" 2 REQUIRED	
BM-4	3/16"	4" X 4"	10'-0"	1" DIA. X 2" 2 REQUIRED	
BASE PLATE	1/2"	12" X 12"	N/A	(4)-1/2"ø X 8-1/2" WEDGE ANCHORS	ANCHOR TO CONCRETE FOOTING
CONCRETE FOOTING (1)	22"	28" X 28"	N/A	SEE BASE PLATE	MTH (3) #50 STEEL REINFORCING RODS EACH WAY
CONCRETE FOOTING 쉱	22"	40" X 40"	N/A	SEE BASE PLATE	WITH (4) #50 STEEL REINFORCING RODS EACH WAY
CONCRETE FOOTING (1)	16"	36" DIA.	N/A	SEE BASE PLATE	WITH (4) #50 STEEL REINFORCING RODS EACH WAY
CONCRETE FOOTING (2)	36"	36" DIA.	N/A	SEE BASE PLATE	WITH (4) #50 STEEL REINFORCING RODS EACH WAY

SEE DETAILS FOR ATTACHMENT OF EACH SHOP WELDED BEAM CONNECTION.

COMP	ONENT SO	CHEDULE .	- FOR BA	Y SPACING	UP TO 13'-6"
ITEM	THICKNESS	SIZE	MAX HEIGHT OR LENGTH	FASTENERS	REMARKS
COL. 1	3/16"	4" X 4"	11'-0"	SHOP WELD STEEL BASE	
COL. 2	3/16"	4" X 4"	11'-0"	SHOP WELD STEEL BASE	
BM-1	3/16"	4" X 4"	13'-6"	1" DIA. X 2" 2 REQUIRED	FRONT & REAR BEAM
BM-2	3/16"	4" X 4"	13'-6"	1" DIA. X 2" 2 REQUIRED	CENTER CROSS BEAM
Вм-3	3/16"	4" X 4"	10'-4"	1" DIA. X 2" 2 REQUIRED	
BM-4	3/16"	4" X 4"	9'-8"	1" DIA. X 2" 2 REQUIRED	Afficial
BM-4	1/4"	4" X 4"	10'-4"	1" DIA. X 2" 2 REQUIRED	
BASE PLATE	1/2"	12" X 12"	N/A	(4)-1/2"ø X 8-1/2" WEDGE ANCHORS	ANCHOR TO CONCRETE FOOTING
CONCRETE FOOTING (1)	22"	28" X 28"	N/A	SEE BASE PLATE	WITH (3) #50 STEEL REINFORCING RODS EACH WAY
CONCRETE FOOTING	22"	40" X 40"	N/A	SEE BASE PLATE	WITH (4) #60 STEEL REINFORCING RODS EACH WAY
CONCRETE FOOTING (1)	16"	36" DIA.	N/A	SEE BASE PLATE	WITH (4) #50 STEEL REINFORCING RODS EACH WAY
CONCRETE FOOTING	36"	36" DIA.	N/A	SEE BASE PLATE	WITH (4) #60 STEEL REINFORCING RODS EACH WAY

SEE DETAILS FOR ATTACHMENT OF EACH SHOP WELDED BEAM CONNECTION

CONCRETE NOTES:

1. FOOTINGS SHALL BEAR UPON LINDISTURBED TREATED SOIL OR SOIL COMPACTED TO AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) FOR DEPTH OF AT LEAST THREE (3) FEET BELOW THE BOTTOM OF THE FOOTING.

2. REINFORCING STEEL SHALL BE ASTM-A-615 GRADE 60 DEFORMED NEW BULLET STEEL CONFIRMING TO ACC1301, AC1315, AC1318 AND CRSI MANUAL OF STANDARD PRACTICE LATEST EDITIONS. MINIMUM LAP SPLICE SHALL BE 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.

ALL CONTINUOUS VERTICAL AND HORIZONTAL REINFORCING STEEL IN FOOTINGS. BEAMS AND COLUMNS SHALL BE SPLICED A MINIMUM OF 48 BAR DIAMETERS OR 30" WHICHEVER IS GREATER.

4. CONCRETE COVER OF REINFORCING STEEL SHALL BE AS FOLLOWS: A. FOOTINGS: 3" BOTTOM AND SIDES, 2" TOP

COMPONENT SCHEDULE - FOR BAY SPACING UP TO 14'-6"

FASTENERS

STEEL BASE

DIA X 2

DIA X 2

REQUIRED DIA, X 2

REQUIRED

4)-1/2"0

SEE BASE

SEE BASE

SEE BASE

SEE BASE

PLATE

PLATE

WEDGE

PLATE

8-1/2"

REMARKS

FRONT & REAR BEAM

CENTER CROSS BEAM

ANCHOR TO

FACH WAY

FACH WAY

EACH WAY

CONCRETE FOOTING

WITH (3) #50 STEEL REINFORCING RODS

WITH (4) #50 STEEL REINFORCING RODS

WITH (4) #50 STEEL REINFORCING RODS

WITH (4) #50 STEEL REINFORCING RODS

MAX HEIGH

11'-0"

11'-0"

14'-6"

10'-0"

N/A

N/A

N/A

N/A

N/A

B. BEAMS: 1-1/2" BOTTOM, SIDES AND TOP

SIZE

4" X 4"

12" X 12"

28" X 28"

40" X 40"

36" DIA.

36" DIA

SEE DETAILS FOR ATTACHMENT OF EACH SHOP WELDED BEAM CONNECTION

C. COLUMNS: 1-1/2"

ITEM

COL. 1

COL. 2

BM-1

BM-2

BM-3

BM-4

PLATE

OOTING F

OOTING (2)

FOOTING (1)

FOOTING F2

CONCRET

CONCRET

D. SLABS ON GRADE" 2" BOTTOM, 1" TOP. E. OTHERS: PER ACTUAL

THICKNESS

1/4"

1/4"

1/4"

1/4"

1/4"

1/2"

24"

24"

20"

40"

5. FOUNDATION: 3,000 PSI @ 28 DAYS, TYPE II CONCRETE, 6 BAG.

6. FLOOR SLAB: 3,000 PSI @ 28 DAYS (4" CONCRETE ON 6 MIL POLYETHYLENE VAPOR BARRIER ON 4" SAND FILL) MAX SLUMP = 5", TYPE II CONCRETE 6 BAG. (A) PROVIDE CONSTRUCTION JOINTS @ 144 SQ. FT. MAX IN SLABS.

7. ALL CONCRETE SLABS ON GRADE SHALL BE THE THICKNESS INDICATED ON THE DRAWINGS, OVER A 6 MIL POLYETHYLENE VAPOR BARRIER. SUCH SLABS SHALL BE REINFORCED WITH 6" X 6" #10/10 WWM LAPPED 8" AT EDGES AND ENDS OR FIBER MESH

8. FILL UNDER CONCRETE SLABS SHALL BE CLEAN SAND OR ROCK AND FREE OF DEBRIS AND OTHER DELETERIOUS MATERIAL, FILL SHALL BE COMPACTED TO A DENSITY OF AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D1557).

9. WELDED WIRE MESH SHALL CONFORM TO ASTM-A-1185, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL PLACE DETAILS OF ACI STANDARDS AND SPECIFICATIONS MINIMUM LAP SHALL BE ONE SPACE PLUS TWO (2) INCHES OR

SPECIFICATIONS:

STEEL DUGOUT FRAME:

1. SUPPORT COLUMNS SHALL BE EABRICATED OF A500 SOLLARE STRUCTURAL STEEL TUBING WITH AN ELECTRICALLY WELDED 1/2" THICK A36 STEEL BASE PLATE.

2. BEAMS SHALL BE FABRICATED A500 SQUARE STRUCTURAL STEEL

3. STEEL FRAME MEMBERS SHALL BE BLASTED TO NEAR WHITE MET CLEANED WITH AN 8-STAGE PRETREATMENT SYSTEM, AND ZINC RICE PRIMER COATED PRIOR TO THE FINISHED POWDER COAT PROCESS. POWDER COAT FINISH SHALL BE TGIC ELECTROSTATICALLY APPLIED.

4. ROOFING SHALL BE PRECUT 26 GAUGE PBR OR MULTI RIB METAROOF PANELS UNLESS OTHERWISE NOTED. 24 GA. METAL METAL ROOFINELS MAYBE AVAILABLE AT AN ADDITIONAL COST.

5. FASTENERS SHALL BE 1" DIAMETER GRADE 5 BOLTS WITH FLAT WASHERS WITH LOCKNUTS. BOLTS MEET ASMF.R18.2.1 WITH A MINIMUM LOCKNUTS. BOLTS MEET ASMF.R18.2.1 WITH MEET ASMF.R18.2.1 WITH MEET ASMF.R18.2.1 WITH MEET ASMF.R18.2.1 WITH MEET TENSILE STRENGTH OF 120,000 PSI. ALL FASTENERS SHALL BE CONCEALED INSIDE THE TUBING.

6.ANCHORS SHALL BE 1/2" DIAMETER X 8-1/2" ZINC PLATED CONCRETE WEDGE ANCHORS.

7. OVERALL DIMENSIONS "SEE ATTACHED DRAWING"

METAL ROOF PANELS:

I. PANEL PROFILE: 36" PANEL COVERAGE WIDTH, PBR OR MULTI RIB METAL ROOF PANEL.

2. PANEL STYLE: EXPOSED FASTENERS.

3. GAUGE: 26 GAUGE PBR OR MULTI RIB METAL ROOF, 24 GAUGE AVAILABLE AT AN ADDITIONAL COST.

4. TEXTURE: SMOOTH

5. FINISH: SILICONIZED POLYESTER (WARRANTY AS OFFERED BY ROOFING MANUFACTURER) UNLESS OTHERWISE NOTED.

6. COLOR: SELECTED FROM MANUFACTURERS STANDARD COLOR

DUGOUTS SHALL BE GUARANTEED AGAINST DEFECTS IN WORKMANSHIP OR MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF INVOICE.



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REFER TO MODEL # ABOVE AND SEE ATTACHED CORRESPONDING DRAWING FOR ACTUAL DUGOUT FRAME DETAILS AND DIMENSIONS

A100

RAA

CHECKED

RAA

SHEET NO

1335

DATE

09-21-16



ARCHITECTURE INTERIORS PLANNING

