



SUN 'N LAKE

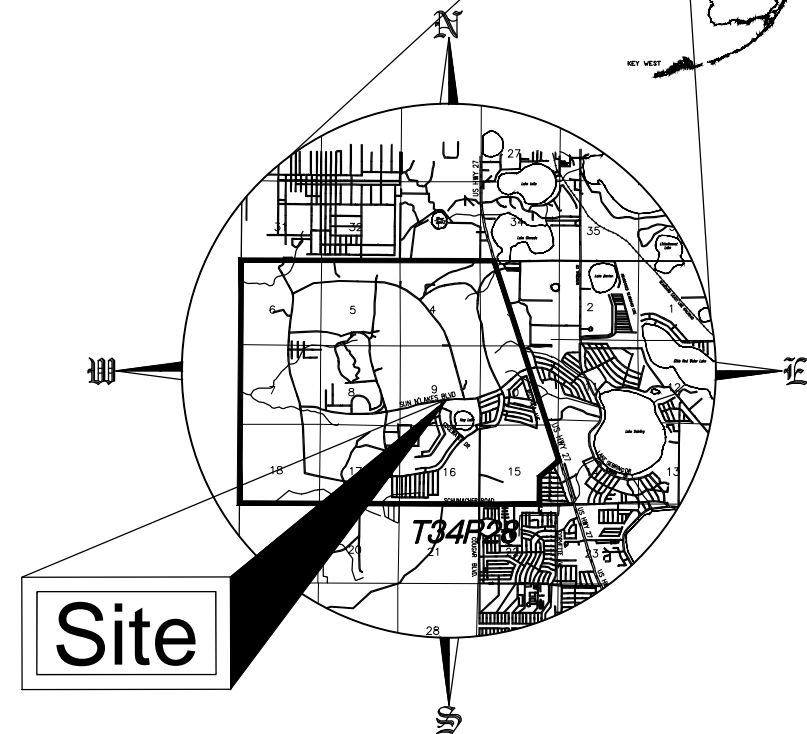
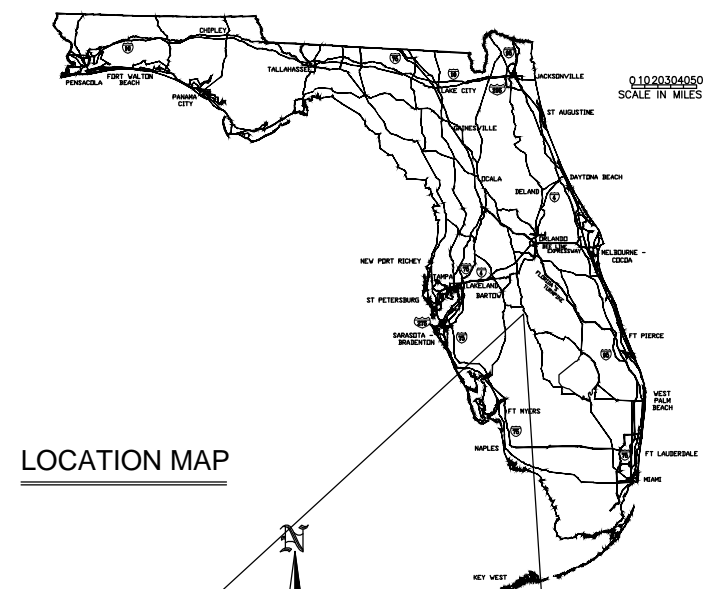
GOLF & RECREATION

SUN 'N LAKE OF SEBRING IMPROVEMENT DISTRICT RFP 19-02

PHASE 3 DRAINAGE IMPROVEMENTS

PROJECT: PHASE 3 DRAINAGE IMPROVEMENTS
5306 SUN 'N LAKE BLVD.
SEBRING, FL 33872

ENGINEER: ROGER DALE POLSTON, P.E.
POLSTON ENGINEERING, INC.
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LEGEND

ABBREVIATIONS

CL	CENTER LINE
EOP	EDGE OF PAVEMENT
R/W	RIGHT-OF-WAY
SIR	SET IRON ROD
FIR	FOUND IRON ROD
SCM	SET CONCRETE MONUMENT
U&D	UTILITY AND DRAINAGE EASEMENT
RCP	REINFORCED CONCRETE PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
T.E.	TOP ELEVATION
I.E.	INVERT ELEVATION
TOS	TOE OF SLOPE
FF	FINISHED FLOOR
SHWL	SEASONAL HIGH WATER LEVEL

SYMBOLS

	DIRECTION OF WATER FLOW
	EXISTING OR PROPOSED GRADE
	SOIL BORING LOCATION
	STREET LIGHT
	PROPOSED CATCH BASIN
	WATER VALVE
	EXISTING POWER POLE
	HYDRANT
	SANITARY SEWER LINE
	SANITARY SEWER LINE
	EXISTING WATER LINE

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

ORIGINAL SIZE 11"x17"

Important:

The information and design shown on these drawings is based on the best available information provided for design. The drawing is to scale as much as possible; however no measurements should be made by scaling from these drawings as some items may be not to scale for drawing clarity. Any questions or conflicts should be brought to the engineer immediately for clarification or resolution. Polston Engineering Inc. shall not be responsible for any errors made by others caused by making assumptions about the plans or errors caused by scaling the plans. All construction shall follow the accepted safety procedures and construction techniques as required by any applicable government standards.

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ALWAYS CALL 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG

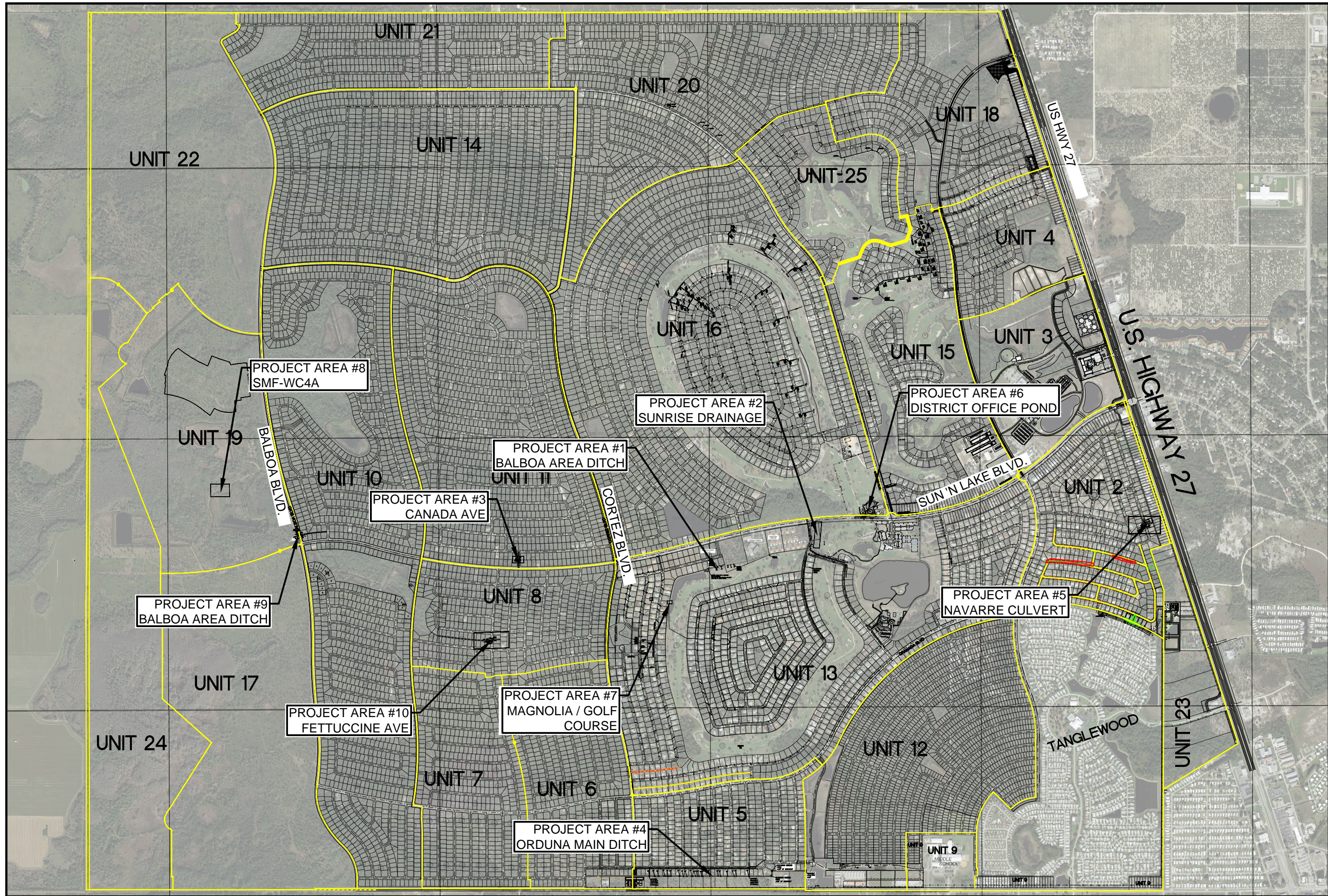


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MARVIN LUTHER WOLFE P.E. # 46030



SUN 'N LAKE OF SEBRING
PHASE 3 DRAINAGE IMPROVEMENTS
COVER



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SUN 'N LAKE OF SEBRING
PHASE 3 DRAINAGE IMPROVEMENTS
PROJECT AREA MAP

CULVERT REPAIR NOTES:

-LOCATIONS SHOWN ON MAP ARE APPROXIMATE.

-SOIL TO BE REPLACED ONCE REPAIR IS MADE USING ACCEPTED CONSTRUCTION TECHNIQUES AS REQUIRED BY ANY APPLICABLE GOVERNMENT STANDARDS. CLEAN FILL IS TO BE USED IF REQUIRED.

-PIPE DEPTH AND WATER TABLE IS TO BE TAKEN INTO CONSIDERATION DURING CONSTRUCTION. IN SOME PROJECT AREAS THE PIPE IS EXPECTED TO INTERSECT THE SEASONAL HIGH WATER TABLE. DE-WATERING MAY BE REQUIRED.

-PIPE JOINT REPAIRS TO CONSIST OF GROUTING ANY APPARENT DAMAGE AND WRAPPING THE JOINT FOLLOWING FDOT INDEX 280.

-IF ANY EXISTING WRAP IS PRESENT, IT IS TO BE REMOVED AND THE PIPE INSPECTED FOR DAMAGE AND GROUTED AND WRAPPED AS DEPICTED ABOVE.

-ALL PRICES PROVIDED TO DISTRICT SHOULD BE FOR A COMPLETE WORKING SOLUTION AND REPAIR TO THE PIPE JOINTS.

CONCRETE DRIVEWAY NOTES:

-CONCRETE SPECIFICATIONS WITHIN THE PLAN SHALL BE FOLLOWED FOR ALL CONCRETE WORK.

-RESIDENTIAL CONCRETE DRIVEWAYS SHALL HAVE A SIMILAR FINISH TO THE EXISTING DRIVEWAY.

-CONCRETE FINISH WORK SHALL BE INSPECTED BY DISTRICT STAFF OR ENGINEER. ANY IRREGULARITIES MAY BE GROUNDS FOR REJECTION AND WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE THE CONCRETE REPLACED AT THE COST OF THE CONTRACTOR.

GENERAL NOTES:

-THE CONTRACTOR SHALL COORDINATE ALL ACCESS PATHS WITH DISTRICT STAFF TO MINIMIZE IMPACTS OF PRIVATE PROPERTY THAT MAY NEED TO BE ACCESSED VIA EASEMENT.

-ALL WORK ON OR ADJACENT TO THE GOLF COURSE SHALL BE COORDINATED TO REDUCE IMPACT TO THE GOLF COURSE AND ITS PLAYERS.

-CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION AND AVOID ANY CONFLICTS. ANY CONFLICTS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. UTILITIES SHOWN ARE APPROXIMATE ONLY.

-THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES AFFECTED BY THEIR WORK.

-THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CLEARING AND REMOVAL OF EXCESS MATERIAL FROM THE PROJECT AREAS AS NEEDED BY THEIR WORK.

-THE CONTRACTOR IS EXPECTED TO BE FAMILIAR WITH THE PROJECT AREAS AND UNDERSTAND THE REQUESTED SCOPES OF WORK.

-THE FINISH GRADES SHOWN ARE FOR THE FINAL GRADE AFTER SOD AND RESTORATION WORK. CONTRACTOR TO ACCOUNT FOR THIS IN THEIR GRADE WORK.

-THE SWALE AND DISTURBED AREAS ARE TO BE RESTORED AND SODDED WITH SAME SPECIES OF SOD.

MOT NOTES:

-THE CONTRACTOR WILL BE RESPONSIBLE FOR MOT WORK WHILE WORKING WITHIN THE PUBLIC RIGHT OF WAY. THIS INCLUDES ALL NECESSARY SIGNAGE AND BARRICADES REQUIRED FOR SAFE ACCESS AND DIRECTION.

-A MOT PLAN MAY BE REQUESTED BY THE OWNER OR ENGINEER OF RECORD. THIS PLAN SHALL BE SUPPLIED BY THE CONTRACTOR TO VERIFY THEY ARE PROVIDING ADEQUATE TRAFFIC CONTROL MEASURES.

-THE MOT PLAN SHALL CONSIST OF A MAP OR SKETCH OF THE ROADWAY AND THE PROPOSED SIGNAGE AND BARRICADES. THE SIGNAGE AND BARRICADES SHALL FOLLOW FDOT STANDARDS.

SUN'N LAKE OF SEBRING PHASE 3 DRAINAGE IMPROVEMENTS SPECIFICATIONS	 <small>CIVIL ENGINEERING CONSULTANTS</small>	<small>2925 KENILWORTH BLVD., SEBRING, FLORIDA 33870 863-385-5564 PHONE 863-385-2462 FAX</small>	<small>SCALE: 1"=N.T.S.</small>	<small>SHEET: 3 OF 24</small>	<small>JOB #:</small>	<small>16079</small>
		<small>CERTIFICATE OF AUTHORIZATION # 5684 ROGER DALE POLSTON P. E. # 33222 MARVIN LUTHER WOLFE P. E. # 46030</small>	<small>APPROVED BY:</small>	<small>12-18-18 ORIGINAL SUBMITTAL</small>	<small>DRJ RDP</small>	<small>DATE</small>



MAGNOLIA GOLF VILLAS

FAIRWAY PINES

HAMPTON WOODS

APPROX. WASHOUT LOCATION (TYPICAL)

APPROX. WASHOUT LOCATION (TYPICAL)

APPROX. CLEAN OUT & WASHOUT REPAIR LOCATION
 ±95 FEET OF DITCH BOTTOM CLEANING
 ±105 FEET OF SLOPE REPAIR



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SUN'N LAKE OF SEBRING
PROJECT AREA 1 - HOLE 17 DITCH
CLEANING AND RESHAPING

TURF NOTES:

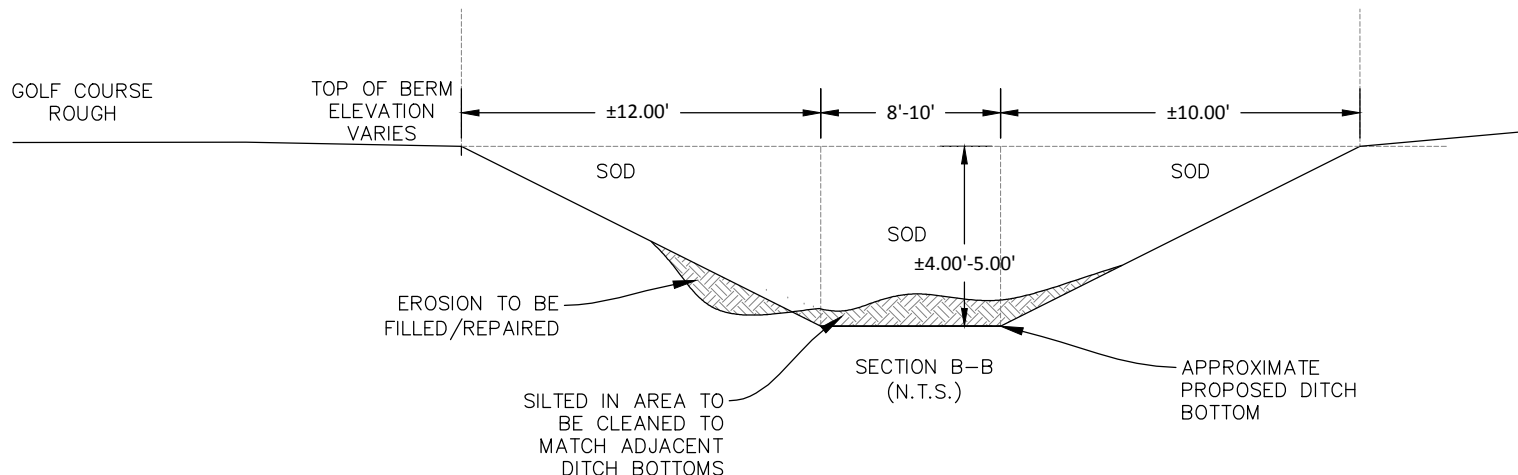
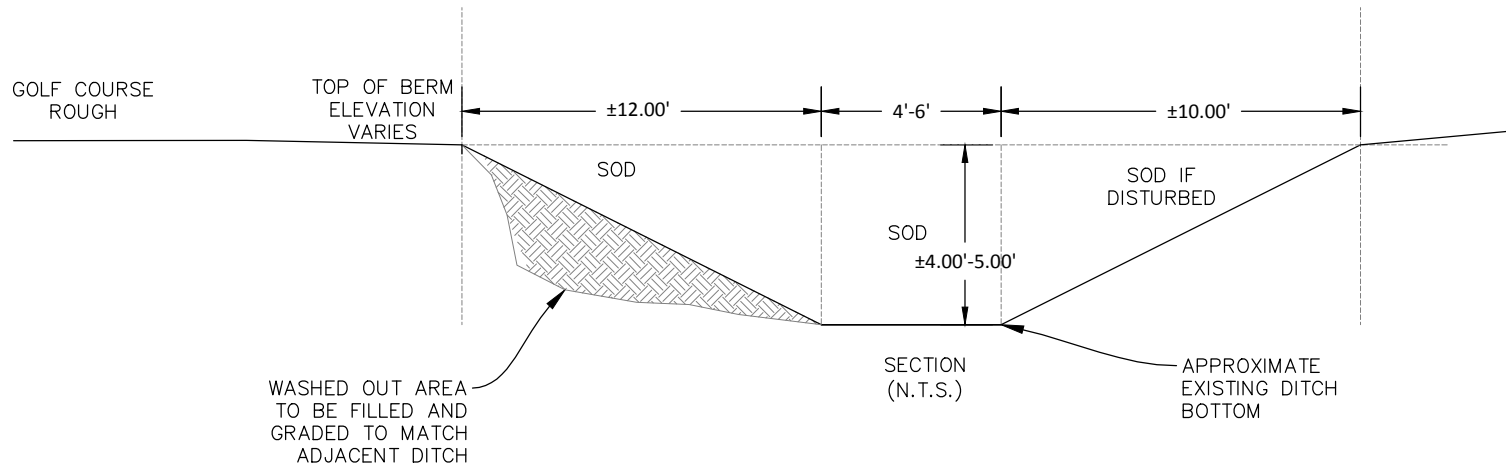
- ACCEPTABLE HYDROSEED REINFORCEMENT:
 - GREEN ARMOR SYSTEM BY PROFILE PRODUCTS LLC.
 - ACF ENVIRONMENTAL TURF REINFORCEMENT MATS
 - OR APPROVED ALTERNATE
- SOD MAY BE USED IF STAKED OR STAPLED DOWN TO PREVENT WASH OUT FOR THE REPAIR AREAS.

HOLE 17 PROJECT AREA NOTES:

- AREAS CALLED OUT ARE TO BE REGRADED/FILLED WITH LENGTHS OF DITCH CALLED OUT ON THE FILL/REPAIR LOCATION. AREAS NOTED TO BE CLEANED ARE CALLED OUT ON THE PLAN ALONG WITH DITCH LENGTH.
- WASHOUT AREAS TO BE REPAIRED FOLLOWING THE DETAIL ON THE FOLLOWING PLAN PAGE.
- THE SIDE SLOPES ARE TO BE FILLED IN AND COMPACTED AS MUCH AS POSSIBLE, FOLLOWED BY VEGETATIVE SURFACE TREATMENT TO PREVENT FUTURE WASHOUTS.
- THE VEGETATIVE SURFACE TREATMENT SHALL CONSIST OF , HYDROSEED WITH REINFORCEMENT MESH OR STAKED/MESH ANCHORED SOD, TO ALLOW ROOT DEVELOPMENT.

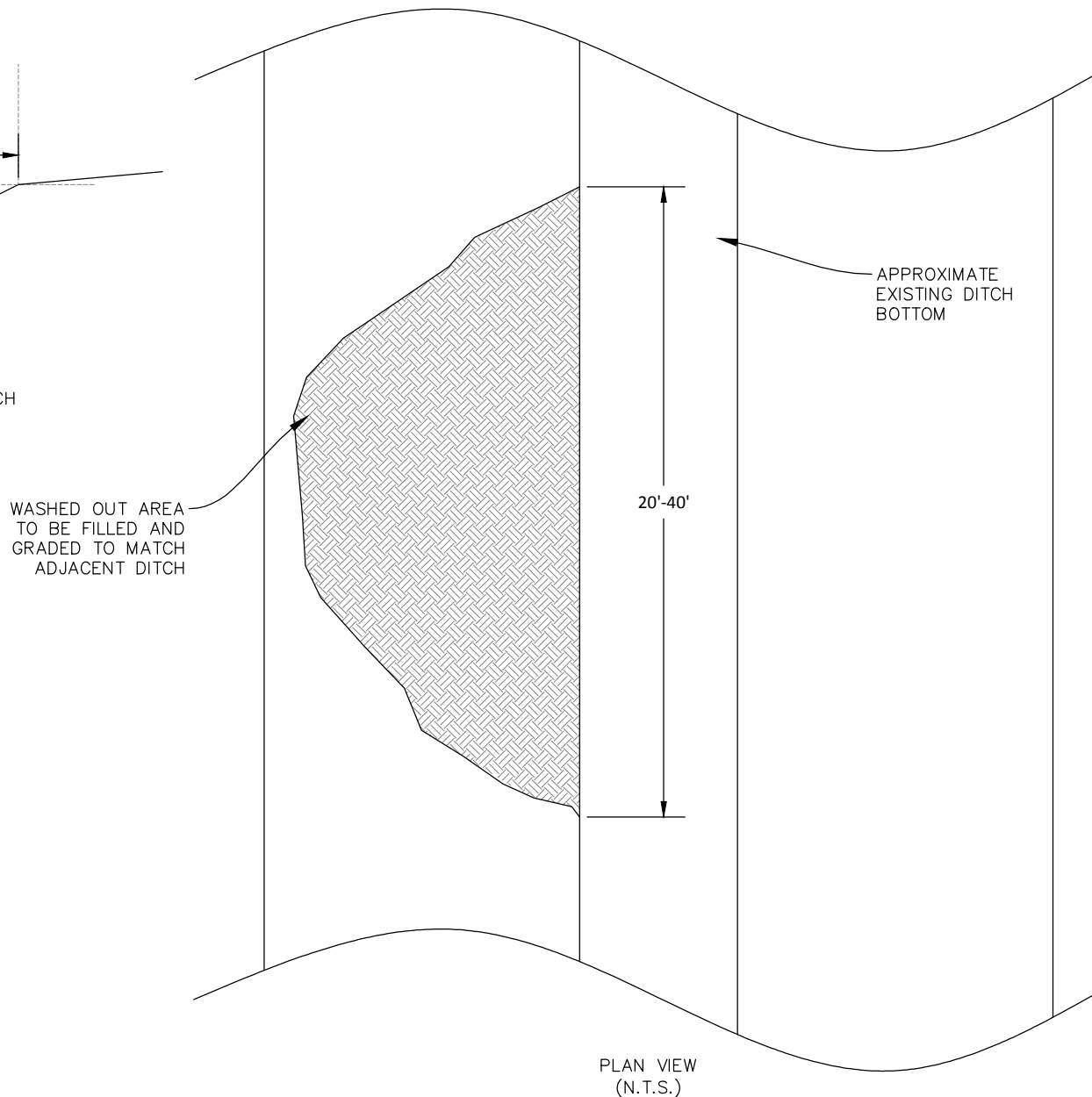
DITCH REPAIR NOTES:

- DITCH BOTTOM TO BE REMADE BY FILLING IN THE WASHED OUT AREAS AND GRADING TO SPEC.
- ALL DISTURBED AREAS TO BE SODDED WITH BAHIA SOD OR APPROVED HYDROSEED PRODUCT.
- SIDE SLOPES TO BE 1:2 MAX, 1:3 PREFERRED IF AREA ALLOWS. SLOPES TO ULTIMATELY MATCH THE ADJACENT UNDAMAGED SLOPE.
- DITCH BOTTOM TO BE SODDED IF DISTURBED OR DOES NOT CURRENTLY HAVE SOD OR SUBSTANTIAL VEGETATION IN THE REPAIR AREA. NO SUBMERGED DITCH BOTTOMS TO GET SOD.



DITCH CLEANING NOTES:

- DITCH BOTTOM TO BE REMADE BY REMOVING EXCESS SILTED IN MATERIAL.
- ALL DISTURBED AREAS TO BE SODDED WITH BAHIA SOD OR APPROVED HYDROSEED PRODUCT.
- SIDE SLOPES TO BE 1:2 MAX, 1:3 PREFERRED IF AREA ALLOWS. SLOPES TO ULTIMATELY MATCH THE ADJACENT UNDAMAGED SLOPE.
- DITCH BOTTOM TO BE SODDED IF DISTURBED OR DOES NOT CURRENTLY HAVE SOD OR SUBSTANTIAL VEGETATION IN THE REPAIR AREA. NO SUBMERGED DITCH BOTTOMS TO GET SOD.

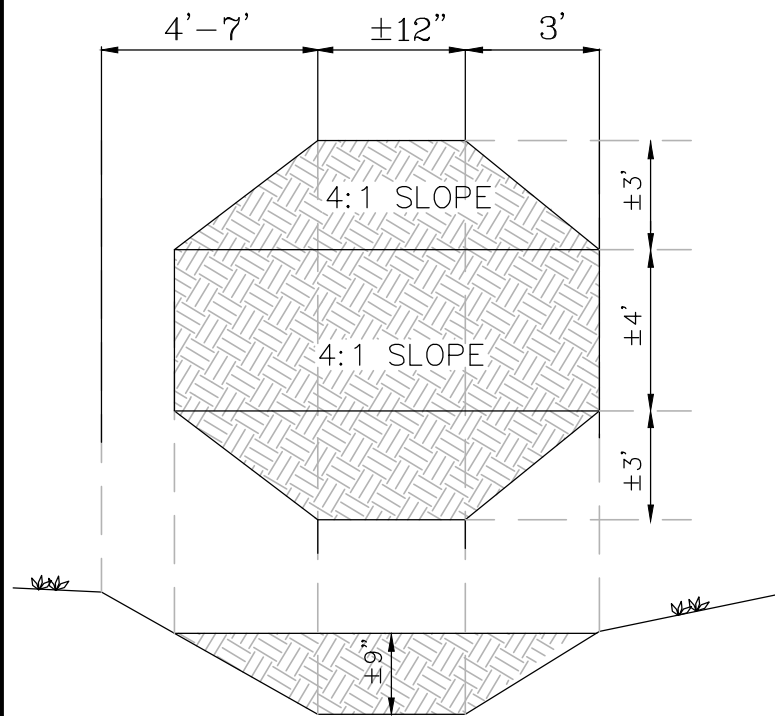


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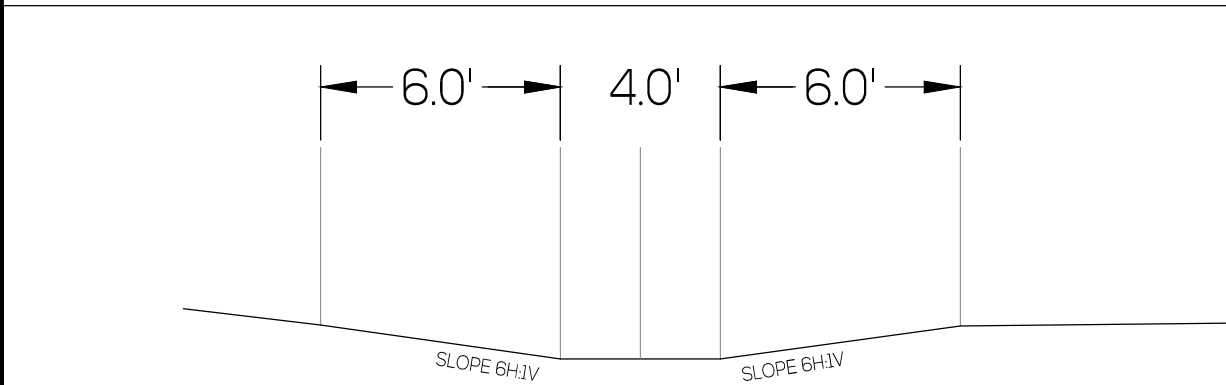
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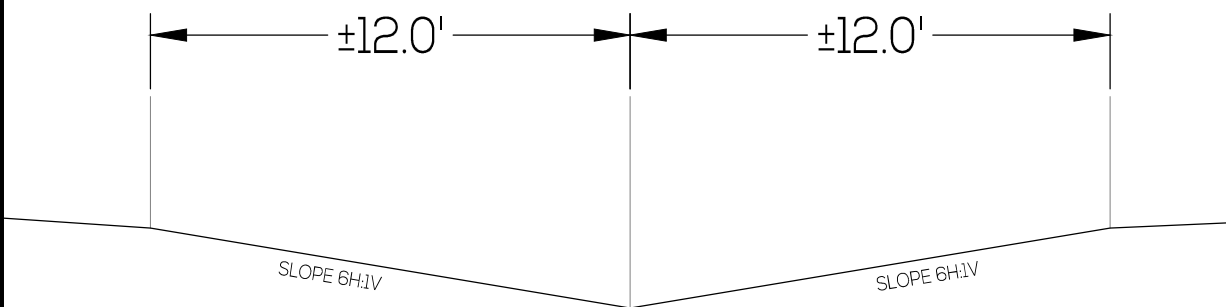
SUN'N LAKE OF SEBRING
PROJECT AREA 1 - HOLE 17 DITCH
CLEANING AND RESHAPING



DITCH BLOCK
TYPICAL (N.T.S.)



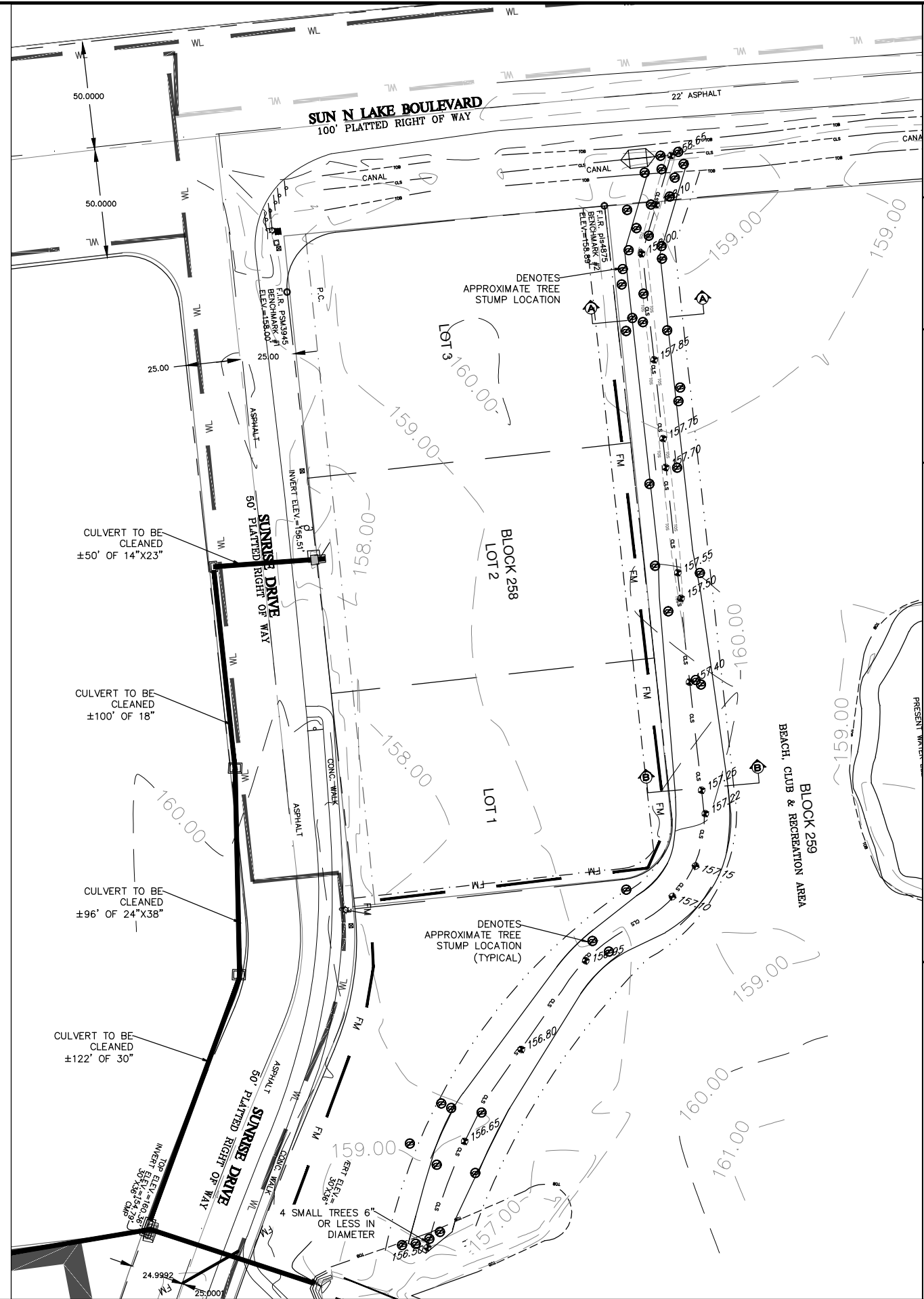
SECTION A-A
SUNRISE & SNL BLVD. SWALE
N.T.S.



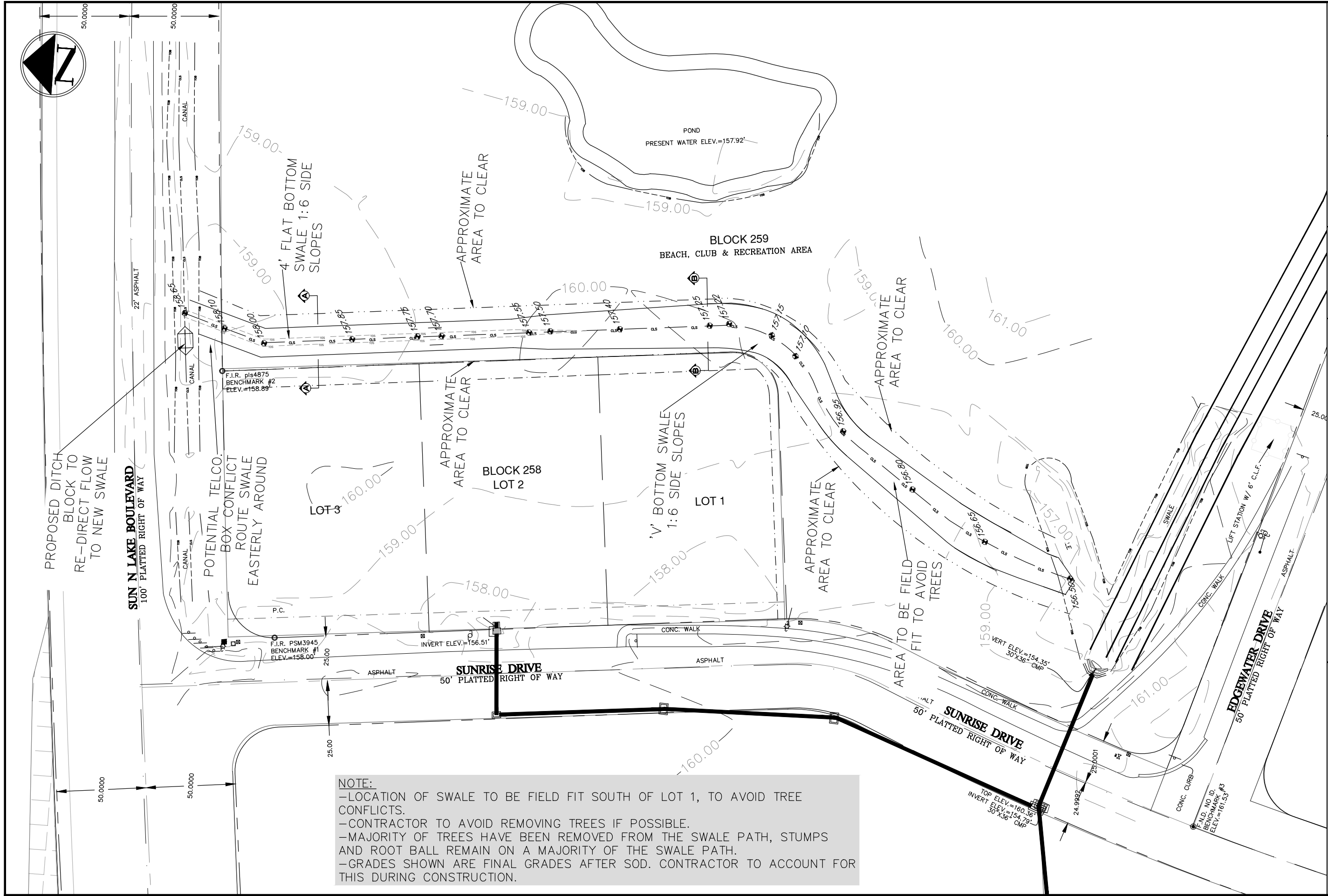
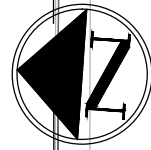
SECTION B-B
SUNRISE & SNL BLVD. SWALE
N.T.S.

GENERAL NOTES:

- CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION AND AVOID ANY CONFLICTS. ANY CONFLICTS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. UTILITIES SHOWN ARE APPROXIMATE ONLY.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES AFFECTED BY THEIR WORK.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CLEARING AND REMOVAL OF EXCESS MATERIAL FROM THE PROJECT.
- THE CONTRACTOR IS EXPECTED TO BE FAMILIAR WITH THE SITE AND UNDERSTAND THE REQUESTED SCOPE OF WORK.
- THE FINISH GRADE FOR THE SWALE BOTTOM IS SHOWN, THIS SHOULD BE THE FINAL GRADE AFTER SOD.
- THE SWALE AND DISTURBED AREAS ARE TO BE RESTORED AND SODDED WITH BAHIA SOD.
- THE GENERAL SCOPE OF WORK SHALL CONSIST OF CUTTING IN A SWALE STARTING AT SUN 'N LAKE BLVD. RIGHT OF WAY AND ENDING AT THE DITCH TO THE SOUTH ACCORDING TO THE PLANS. THIS WILL CONSIST OF STUMP AND ROOT REMOVAL, AS NEEDED, FOR A CLEAN FINISHED PRODUCT. IT WILL BE FINISHED GRADED AND SODDED. A DITCH BLOCK WILL BE CONSTRUCTED IN THE SUN 'N LAKE RIGHT OF WAY AS SHOWN. ADJACENT ROADWAY CULVERT CLEANING IS ALSO PART OF THIS PROJECT.



2925 KENILWORTH BLVD., SEBRING, FLORIDA 33870 863-385-5564 PHONE 863-385-2462 FAX CERTIFICATE OF AUTHORIZATION # 6694 ROGER DALE POLSTON P.E. # 3822 MARVIN LUTHER WOLFE P.E. # 46030	Polston Engineering Inc. CIVIL ENGINEERING CONSULTANTS	SUN 'N LAKE OF SEBRING PROJECT AREA 2 - SUNRISE DRAINAGE REAR LOT SWALE - SECTIONS & DETAIL
SCALE: 1"= N.T.S.	SHEET: 6 OF 24	JOB #: 16079
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NOTE:
 -LOCATION OF SWALE TO BE FIELD FIT SOUTH OF LOT 1, TO AVOID TREE CONFLICTS.
 -CONTRACTOR TO AVOID REMOVING TREES IF POSSIBLE.
 -MAJORITY OF TREES HAVE BEEN REMOVED FROM THE SWALE PATH, STUMPS AND ROOT BALL REMAIN ON A MAJORITY OF THE SWALE PATH.
 -GRADES SHOWN ARE FINAL GRADES AFTER SOD. CONTRACTOR TO ACCOUNT FOR THIS DURING CONSTRUCTION.

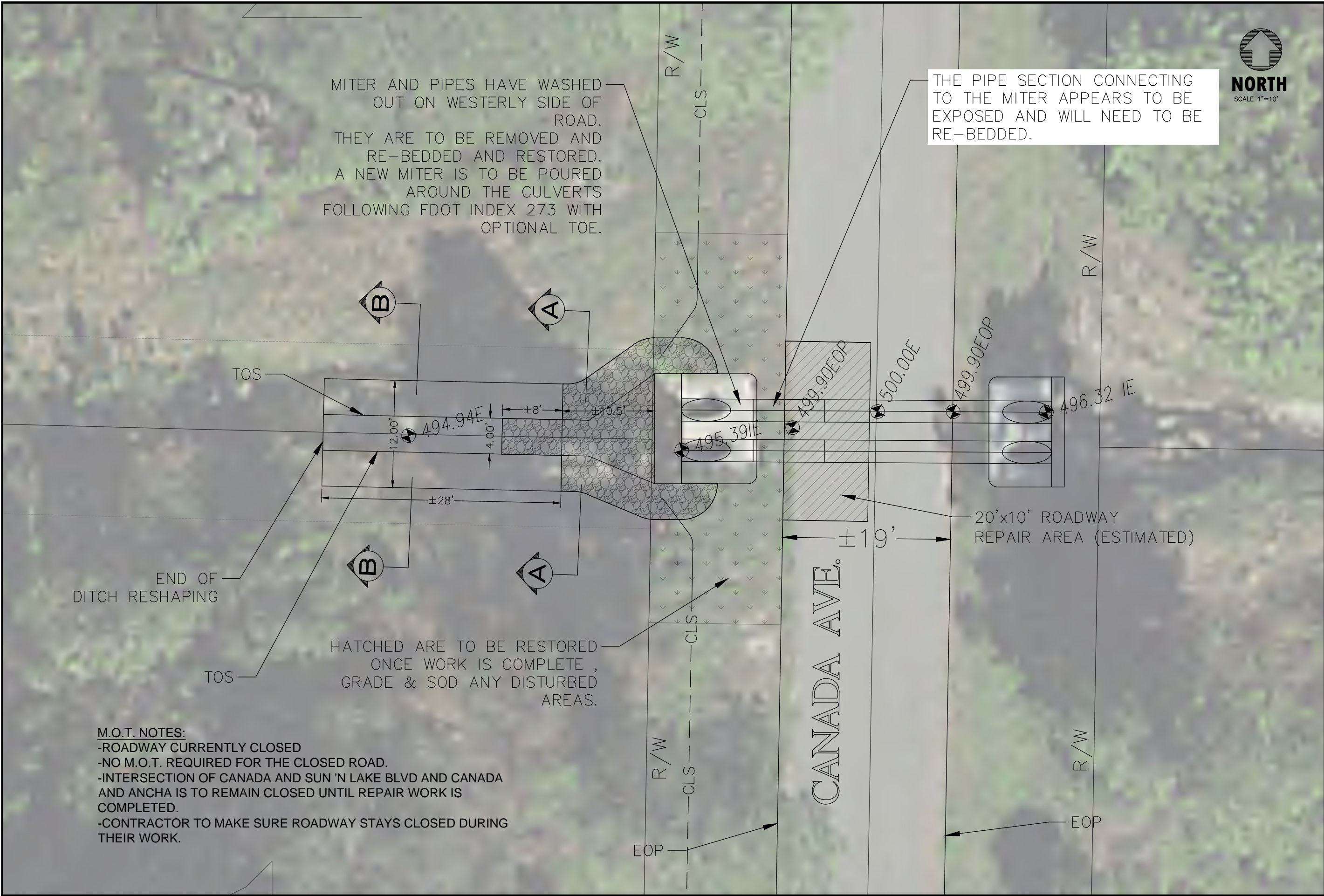
SUN'N LAKE OF SEBRING
 PROJECT AREA 2 - SUNRISE DRAINAGE
 SWALE LOCATION PLAN

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 ROGER DALE POLSTON P.E. # 3222
 MARVIN LUTHER WOLFE P.E. # 46030

Polston Engineering Inc.
 CIVIL ENGINEERING CONSULTANTS

SCALE: 1"= 50'
 APPROVED BY: [Signature]
 SHEET: 7 OF 24
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MITER AND PIPES HAVE WASHED OUT ON WESTERLY SIDE OF ROAD. THEY ARE TO BE REMOVED AND RE-BEDDED AND RESTORED. A NEW MITER IS TO BE POURED AROUND THE CULVERTS FOLLOWING FDOT INDEX 273 WITH OPTIONAL TOE.

THE PIPE SECTION CONNECTING TO THE MITER APPEARS TO BE EXPOSED AND WILL NEED TO BE RE-BEDDED.



END OF DITCH RESHAPING

HATCHED ARE TO BE RESTORED ONCE WORK IS COMPLETE, GRADE & SOD ANY DISTURBED AREAS.

- M.O.T. NOTES:**
- ROADWAY CURRENTLY CLOSED
 - NO M.O.T. REQUIRED FOR THE CLOSED ROAD.
 - INTERSECTION OF CANADA AND SUN 'N LAKE BLVD AND CANADA AND ANCHA IS TO REMAIN CLOSED UNTIL REPAIR WORK IS COMPLETED.
 - CONTRACTOR TO MAKE SURE ROADWAY STAYS CLOSED DURING THEIR WORK.

SCALE: 1"=10'

APPROVED BY:

DATE	REMARK

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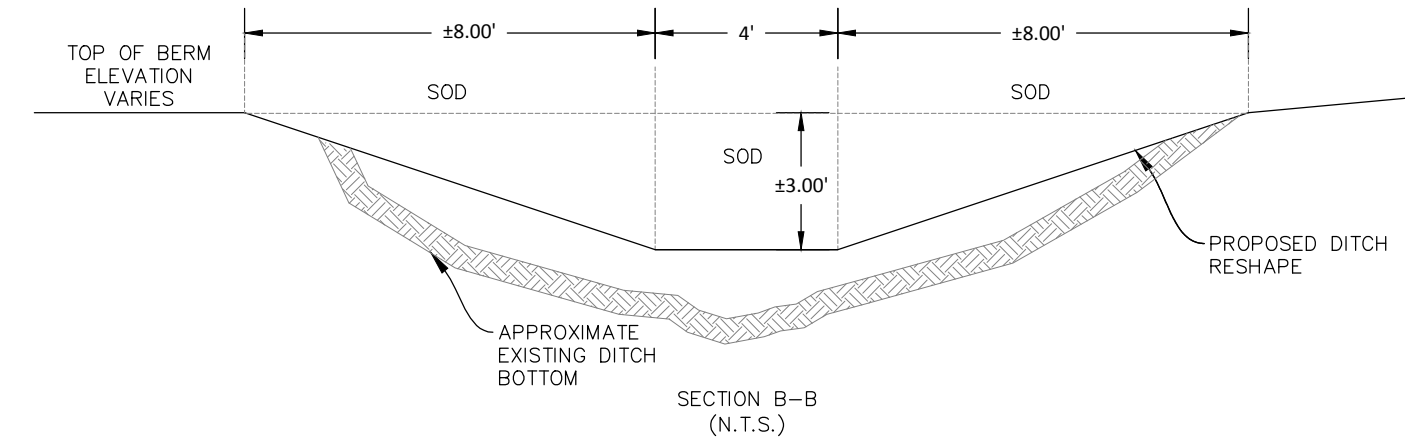
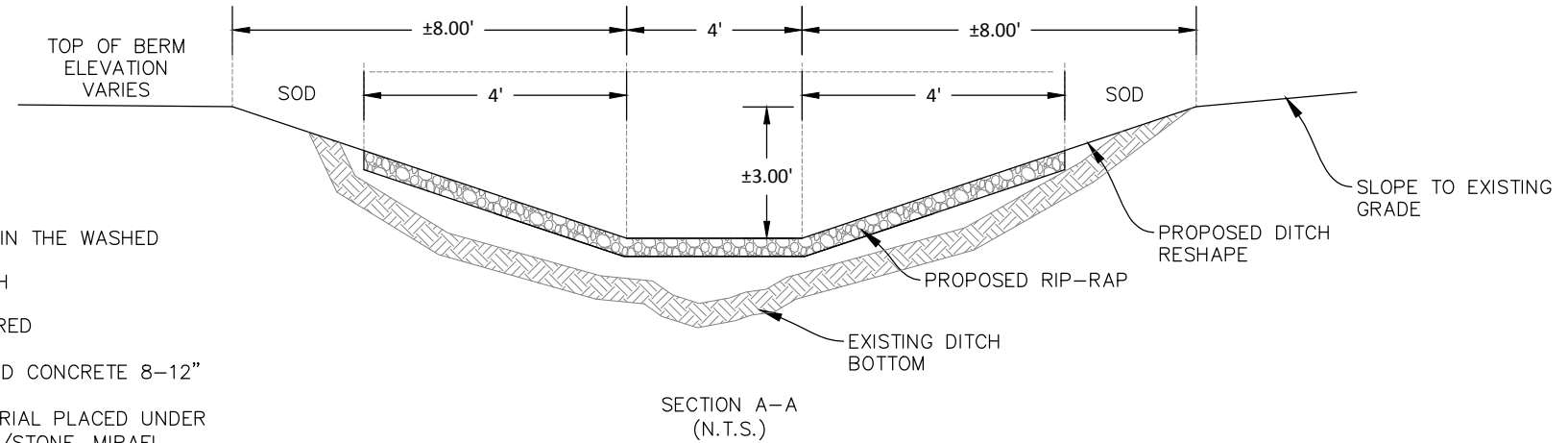
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SUN 'N LAKE OF SEBRING
PROJECT AREA 3 - CANADA AVE
STORMWATER CULVERT REPAIR

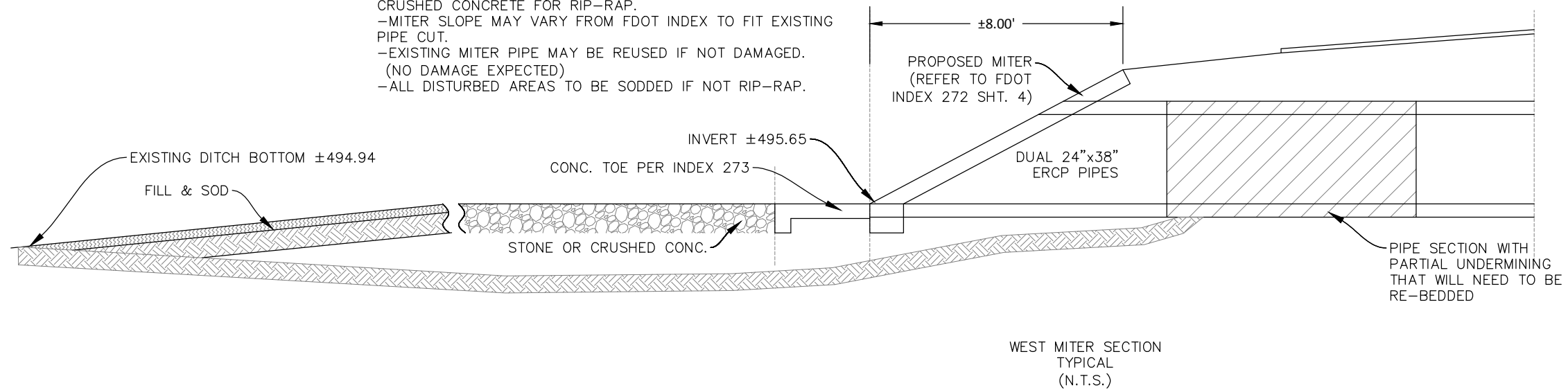
SHEET: 8 OF 24	JOB #:	16079
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DITCH NOTES:
 -DITCH BOTTOM TO BE REMADE BY FILLING IN THE WASHED OUT AREAS AND GRADING TO SPEC.
 -ALL DISTURBED AREAS TO BE SODDED WITH BAHIA SOD IF NOT IN A RIP-RAP LOCATION.
 -SIDE SLOPES TO BE 1:3 MAX, 1:4 PREFERRED IF AREA ALLOWS.
 -DITCH BOTTOM 4-6" SIZED STONE/CRUSHED CONCRETE 8-12" THICK (WHERE SHOWN, OTHERWISE SOD)
 -ALL RIP-RAP TO HAVE GEO-TEXTILE MATERIAL PLACED PRIOR TO INSTALLATION OF RIP-RAP ROCKS/STONE, MIRAFI 140N OR EQUIVALENT.



MITER NOTES:
 -FAILED MITER AND PIPES TO BE REMOVED.
 -REFER TO FDOT INDEX 272 SHEET 4 FOR MITER DETAIL, GRATE IS NOT REQUIRED. THE ADDITIONAL 3' TOE IS REQUIRED.
 -DITCH BOTTOM IS TO HAVE 8-12" OF 4-6" STONE OR CRUSHED CONCRETE FOR RIP-RAP.
 -MITER SLOPE MAY VARY FROM FDOT INDEX TO FIT EXISTING PIPE CUT.
 -EXISTING MITER PIPE MAY BE REUSED IF NOT DAMAGED. (NO DAMAGE EXPECTED)
 -ALL DISTURBED AREAS TO BE SODDED IF NOT RIP-RAP.

RESTORATION NOTES:
 -ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITIONS.
 -RESTORATION MAY INCLUDE, BUT NOT LIMITED TO, GRADING, AND SODDING.
 -ANY DAMAGE TO THE ROADWAY FROM CONTRACTORS WORK WILL BE REPAIRED BY THE CONTRACTOR.

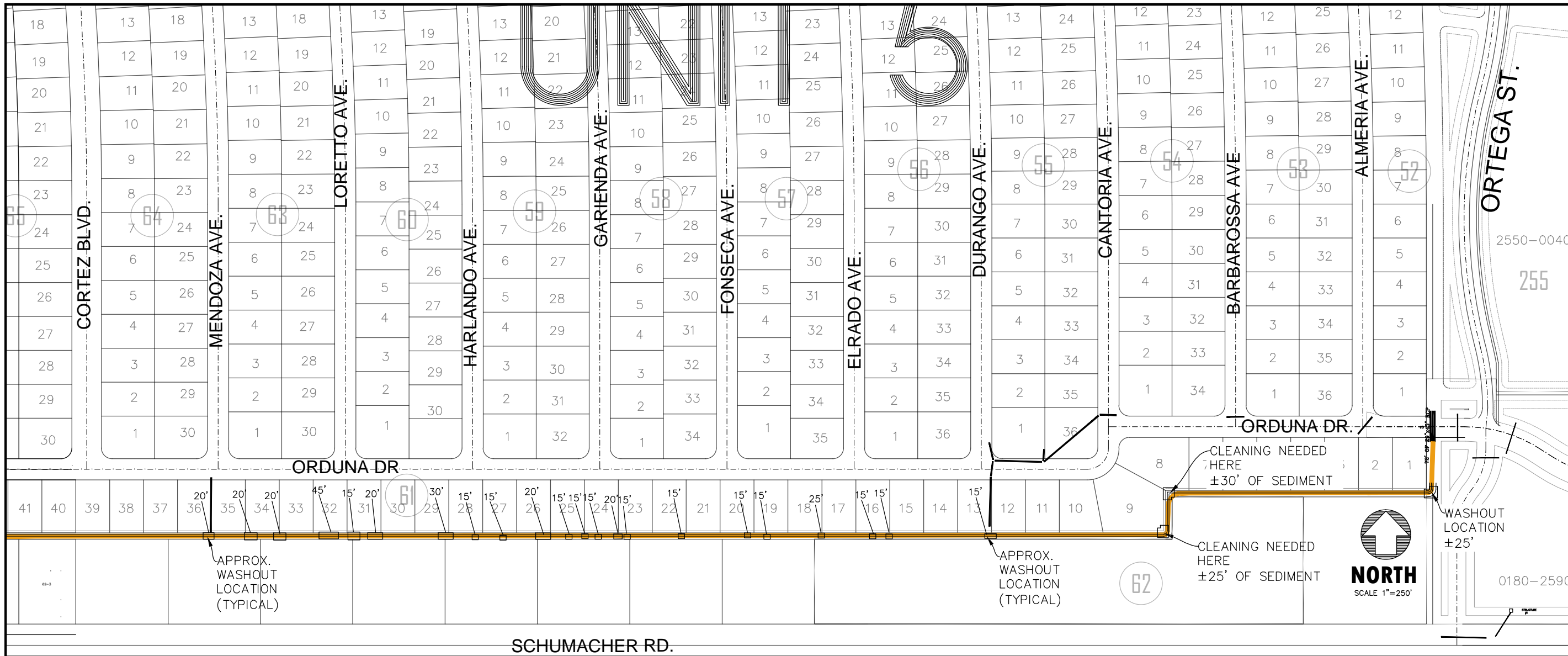


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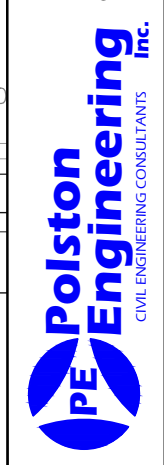


SUN'N LAKE OF SEBRING
PROJECT AREA 3 - CANADA AVE
STORMWATER CULVERT REPAIR - SECTIONS



SCALE: 1" = 250'
 SHEET: 10 OF 24
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SUN'N LAKE OF SEBRING
PROJECT AREA 4 - ORDUNA REAR LOT DITCH
DITCH CLEANING

TURF NOTES:

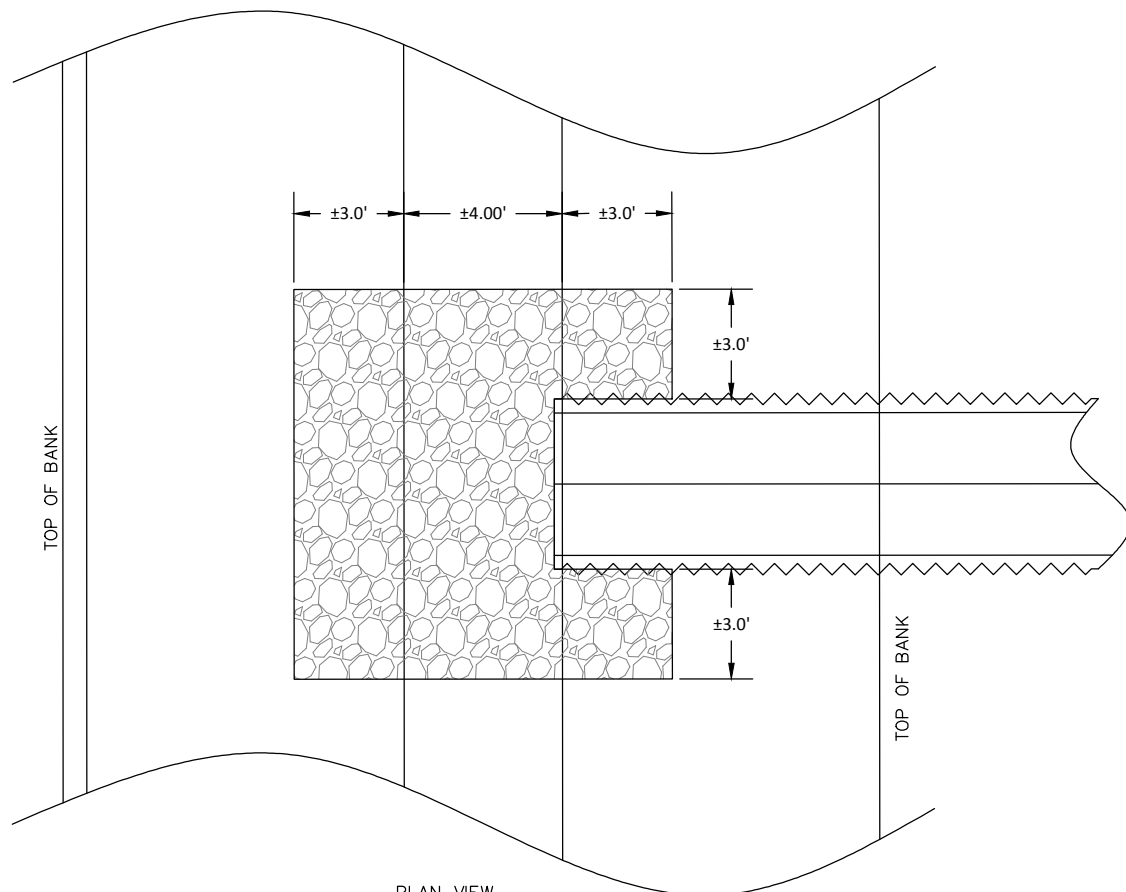
- ACCEPTABLE HYDROSEED REINFORCEMENT:
 - GREEN ARMOR SYSTEM BY PROFILE PRODUCTS LLC.
 - ACF ENVIRONMENTAL TURF REINFORCEMENT MATS
- SOD MAY BE USED IF STAKED OR STAPLED DOWN TO PREVENT WASH OUT FOR THE REPAIR AREAS.

ORDUNA PROJECT AREA NOTES:

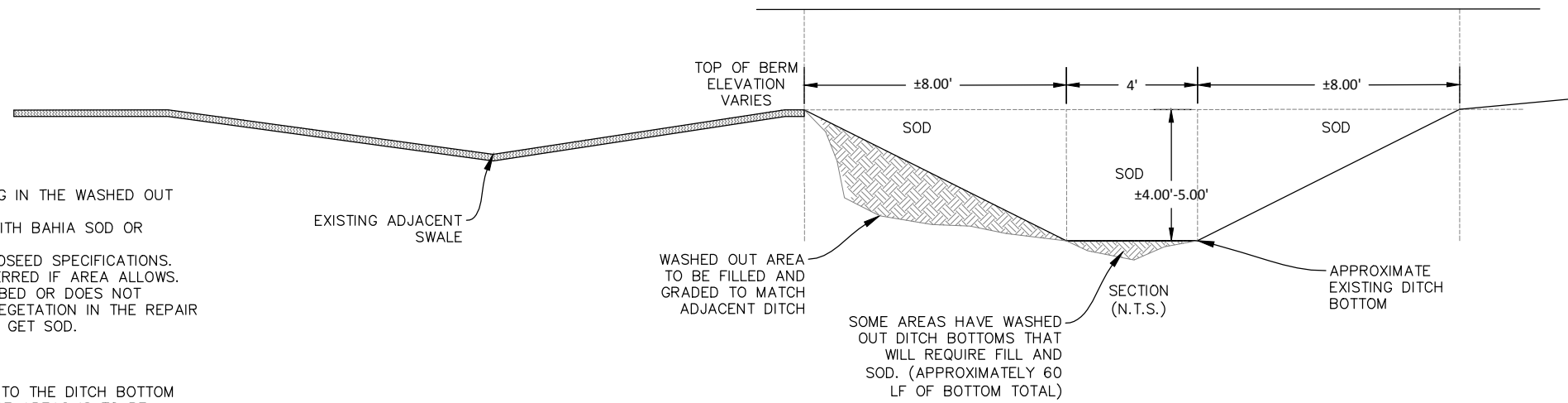
- AREAS CALLED OUT ARE TO BE REGRADED/FILLED WITH LENGTHS OF DITCH CALLED OUT ON THE FILL/REPAIR LOCATION. AREAS NOTED TO BE CLEANED ARE CALLED OUT ON THE PLAN ALONG WITH DITCH LENGTH.
- WASHOUT AREAS TO BE REPAIRED FOLLOWING THE DETAIL ON THE FOLLOWING PLAN PAGE.
- THE SIDE SLOPES ARE TO BE FILLED IN AND COMPACTED AS MUCH AS POSSIBLE, FOLLOWED BY VEGETATIVE SURFACE TREATMENT TO PREVENT FUTURE WASHOUTS.
- THE VEGETATIVE SURFACE TREATMENT SHALL CONSIST OF (HYDROSEED WITH REINFORCEMENT MESH OR STAKED/MESH ANCHORED SOD) TO ALLOW ROOT DEVELOPMENT.
- A DETAIL FOR OPTIONAL RIP-RAP REPAIR ADJACENT TO CULVERT DISCHARGES IS PROVIDED. THIS WILL BE LISTED ON THE BID SHEET AS A BID OPTION FOR THIS PROJECT AREA. THE DISTRICT MAY CHOOSE TO DO THIS WORK AS AN ADD-ON TO THE MAIN REPAIR AND MAINTENANCE WORK SHOWN.

DITCH NOTES:
 -DITCH BOTTOM TO BE REMADE BY FILLING IN THE WASHED OUT AREAS AND GRADING TO SPEC.
 -ALL DISTURBED AREAS TO BE SODDED WITH BAHIA SOD OR APPROVED HYDROSEED PRODUCT.
 -SEE PREVIOUS PAGE ON SOD AND HYDROSEED SPECIFICATIONS.
 -SIDE SLOPES TO BE 1:2 MAX, 1:3 PREFERRED IF AREA ALLOWS.
 -DITCH BOTTOM TO BE SODDED IF DISTURBED OR DOES NOT CURRENTLY HAVE SOD OR SUBSTANTIAL VEGETATION IN THE REPAIR AREA. NO SUBMERGED DITCH BOTTOMS TO GET SOD.

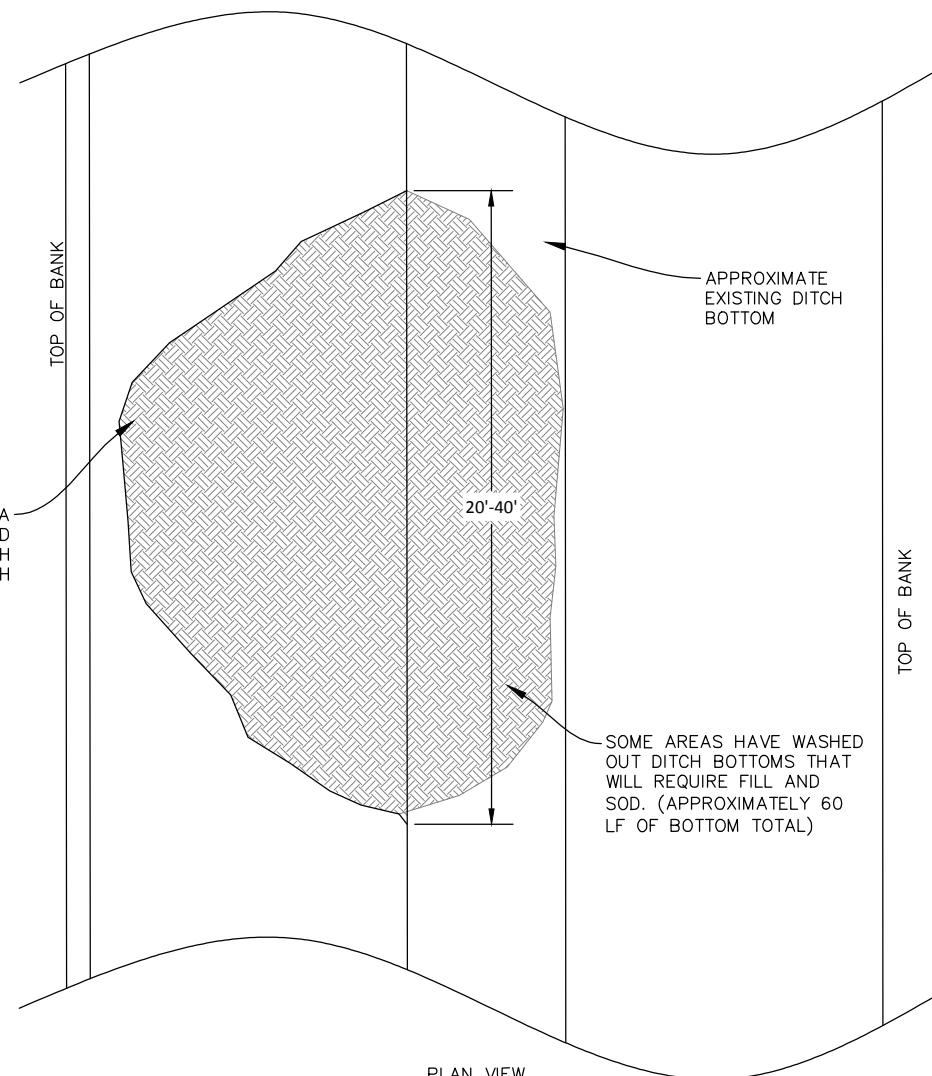
RIP-RAP NOTES:
 -AN OPTION FOR RIP-RAP TO BE ADDED TO THE DITCH BOTTOM ADJACENT TO VARIOUS CULVERT DISCHARGE AREAS IS TO BE PROVIDED. IT SHOULD FOLLOW THE DETAIL SHOWN HEREIN.
 -DITCH BOTTOM RIP-RAP 4-6" SIZED STONE/CRUSHED CONCRETE 8-12" THICK (WHERE SHOWN, OTHERWISE SOD)
 -ALL RIP-RAP TO HAVE GEO-TEXTILE MATERIAL PLACED UNDER PRIOR TO INSTALLATION OF RIP-RAP ROCKS/STONE, MIRAFI 140N OR EQUIVALENT.
 -RIP-RAP TO BE INSTALLED FOLLOWING FDOT GUIDELINES.



PLAN VIEW
 OPTIONAL RIP-RAP
 ADJACENT TO CULVERT
 (N.T.S.)



TOP OF BERM ELEVATION VARIES
 ±8.00' 4' ±8.00'
 SOD
 SOD ±4.00'-5.00'
 SECTION (N.T.S.)
 APPROXIMATE EXISTING DITCH BOTTOM
 WASHED OUT AREA TO BE FILLED AND GRADED TO MATCH ADJACENT DITCH
 SOME AREAS HAVE WASHED OUT DITCH BOTTOMS THAT WILL REQUIRE FILL AND SOD. (APPROXIMATELY 60 LF OF BOTTOM TOTAL)



WASHED OUT AREA TO BE FILLED AND GRADED TO MATCH ADJACENT DITCH
 TOP OF BANK
 APPROXIMATE EXISTING DITCH BOTTOM
 20'-40'
 SOME AREAS HAVE WASHED OUT DITCH BOTTOMS THAT WILL REQUIRE FILL AND SOD. (APPROXIMATELY 60 LF OF BOTTOM TOTAL)
 TOP OF BANK

PLAN VIEW
 (N.T.S.)

SCALE: 1" = N.T.S.	SHEET: 11 OF 24	JOB #:	16079
APPROVED BY:	12-18-18	ORIGINAL SUBMITTAL	DRJ IRDP
DATE			REMARK
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2925 KENILWORTH BLVD.,
 SEBRING, FLORIDA 33870
 863-385-5564 PHONE
 863-385-2462 FAX
 CERTIFICATE OF AUTHORIZATION # 5684
 ROGER DALE POLSTON P.E. # 33222
 MARVIN LUTHER WOLFE P.E. # 46030



SUN'N LAKE OF SEBRING
PROJECT AREA 4 - ORDUNA REAR LOT DITCH
DITCH CLEANING



SCALE: 1"=20'

SHEET: 12 OF 24

JOB #: 16079

APPROVED BY: ORIGINAL SUBMITTAL

DATE

REMARK

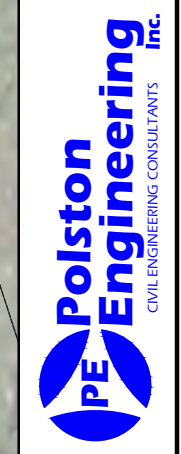
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DRJ | RDP

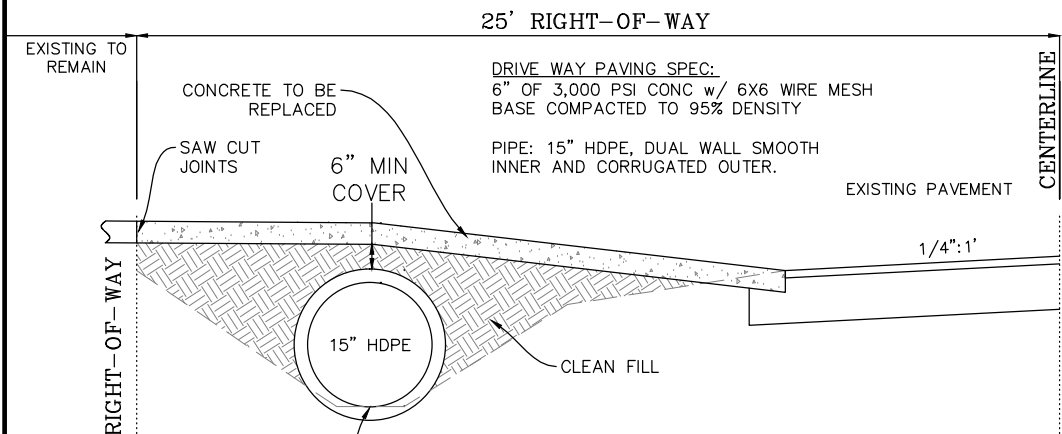
DR | CH

2925 KENILWORTH BLVD.,
 SEBRING, FLORIDA 33870
 863-385-5564 PHONE
 863-385-2462 FAX

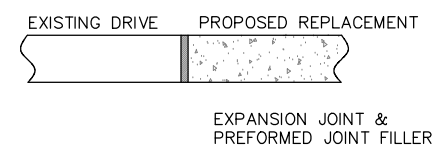
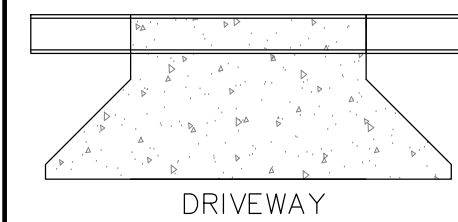
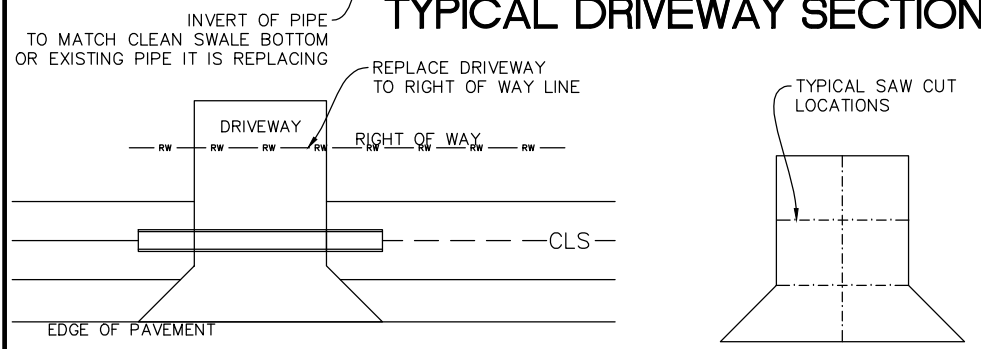
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 MARVIN LUTHER WOLFE P. E. # 46090



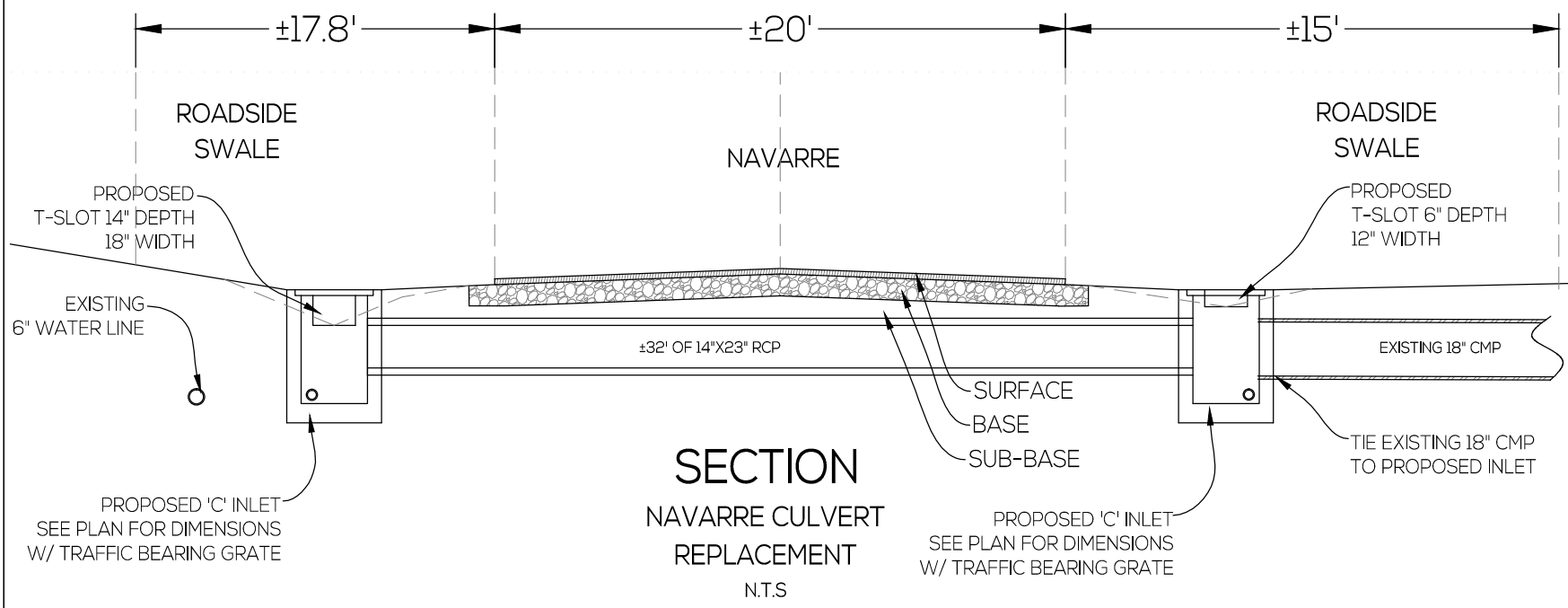
SUN'N LAKE OF SEBRING
PROJECT AREA 5 - NAVARRE
STORMWATER CULVERT REPLACEMENT



TYPICAL DRIVEWAY SECTION

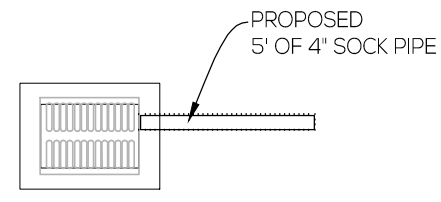
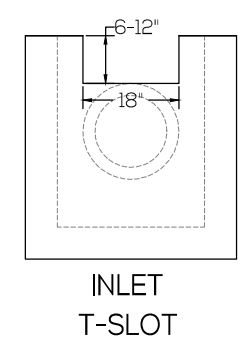


DRIVE WAY NOTES:
 -MATCH EXISTING DRIVEWAY WIDTH WITH REPLACEMENT DRIVEWAY
 -REPLACEMENT PIPE TO EXTEND 5 FEET PAST PAVEMENT ON EACH SIDE.
 -REPLACEMENT CULVERT PIPE MAY BE LONGER THAN EXISTING PIPE LENGTH DUE TO THE 5 FEET REQUIREMENT ON EACH SIDE OF THE DRIVE.
 -DRIVE FLARES TO START 5 FEET FROM EDGE OF PAVEMENT AND BE 5 FEET WIDER THAN DRIVE ON EACH SIDE WHERE THEY MEET EDGE OF PAVEMENT.
 -SAW-CUT EXPANSION JOINTS TO BE CUT INTO THE NEW CONCRETE DRIVE 6 TO 8 FEET ON CENTER IN BOTH DIRECTIONS. DISTANCE DEPENDANT ON DRIVE WAY WIDTH.
 -REPLACEMENT CULVERTS TO HAVE CONCRETE MITERED ENDS ON EACH SIDE.



SECTION NAVARRE CULVERT REPLACEMENT N.T.S.

NOTE:
 -ALL DISTURBED AREAS TO BE RESTORED AND SODDED.
 -A SHORT RUN OF 4\"/>



CULVERT NOTES:
 -EXISTING DAMAGED PIPES TO BE REMOVED.
 -CONTRACTOR TO BE FAMILIAR WITH PROJECT SITE AND TO BE RESPONSIBLE FOR DEWATERING IF NEEDED.
 -REFER TO FDOT INDEX 307 PAGE 1 & FDOT SPEC BOOK SECTION 430 FOR DETAILS ON PIPE INSTALLATION AND ROAD CUT. THE BEDDING AND BACKFILL MUST BE PROPERLY COMPACTED WITH ADEQUATE MATERIAL.
 -ALL PIPE JOINTS TO BE WRAPPED WITH GEO-TEXTILE FABRIC ACCORDING TO FDOT INDEX 280.
 -REPAIR ROADWAY, BASE, AND SUB-BASE. ASPHALT TO BE SAW CUT AND REPLACED OR EDGE MILLED AND OVERLAYED APPROXIMATELY 10 FEET ON EACH SIDE OF THE ROAD CUT AND HAVE A SMOOTH TRANSITION FROM OLD TO NEW.
 -ROAD MATERIAL SPECIFICATIONS:
 SURFACE: 2\"/>

SCALE: 1"=N.T.S.	SHEET: 13 OF 24	JOB #:	16079
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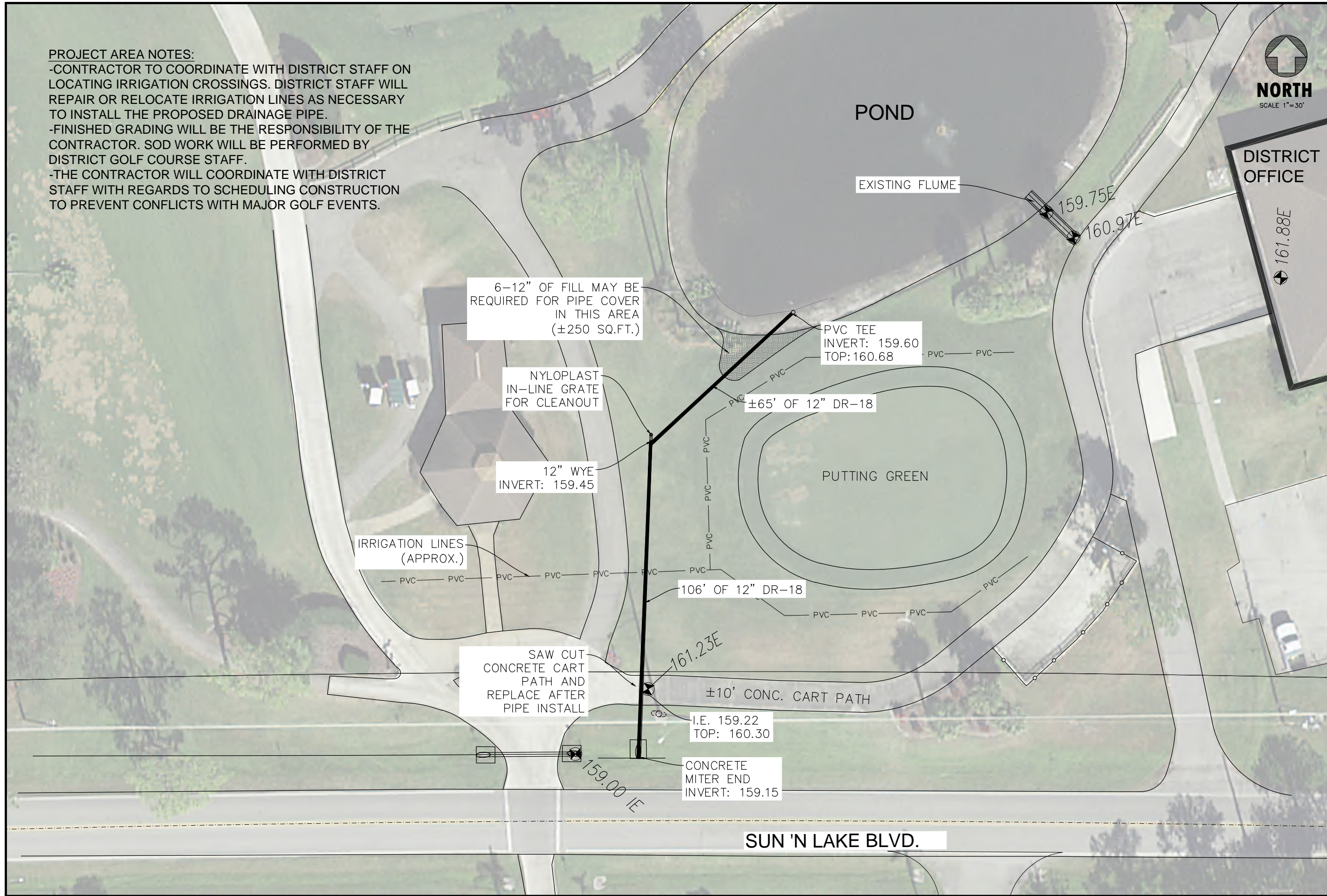
2025 KENILWORTH BLVD.,
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 MARVIN LUTHER WOLFE P. E. # 46000



**SUN'N LAKE OF SEBRING
 PROJECT AREA 5 - NAVARRE
 STORMWATER CULVERT REPAIR**

PROJECT AREA NOTES:

- CONTRACTOR TO COORDINATE WITH DISTRICT STAFF ON LOCATING IRRIGATION CROSSINGS. DISTRICT STAFF WILL REPAIR OR RELOCATE IRRIGATION LINES AS NECESSARY TO INSTALL THE PROPOSED DRAINAGE PIPE.
- FINISHED GRADING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. SOD WORK WILL BE PERFORMED BY DISTRICT GOLF COURSE STAFF.
- THE CONTRACTOR WILL COORDINATE WITH DISTRICT STAFF WITH REGARDS TO SCHEDULING CONSTRUCTION TO PREVENT CONFLICTS WITH MAJOR GOLF EVENTS.



DISTRICT OFFICE

SCALE: 1"=30'

APPROVED BY: _____

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DATE	REMARK

SHEET: 14 OF 24

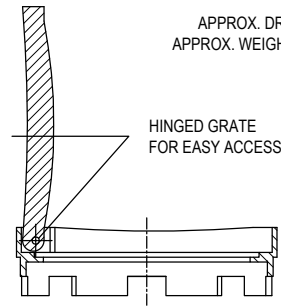
JOB #: 16079

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 ROGER DALE POLSTON P. E. # 33222
 MARVIN LUTHER WOLFE P. E. # 46030

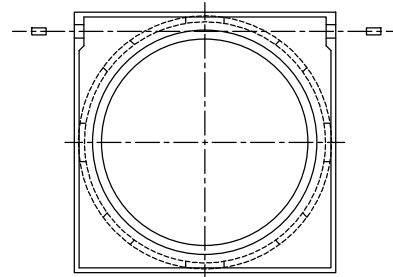
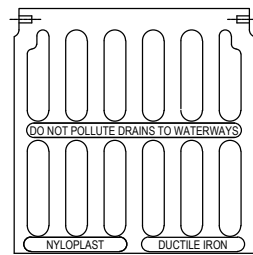


SUN 'N LAKE OF SEBRING
PROJECT AREA 6 - DISTRICT OFFICE POND
STORMWATER DISCHARGE PIPE



APPROX. DRAIN AREA = 60.62 SQ IN
APPROX. WEIGHT WITH FRAME = 40.68 LBS

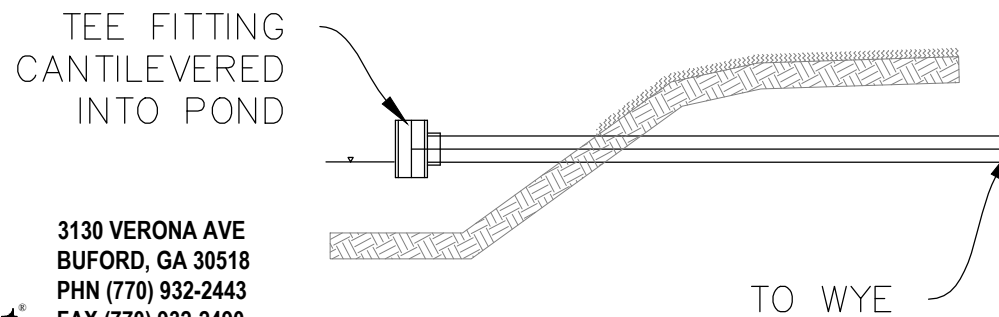
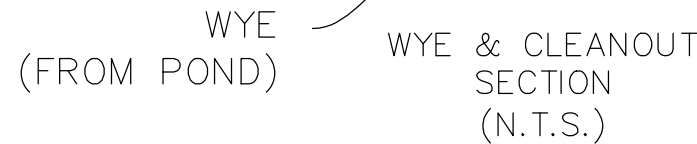
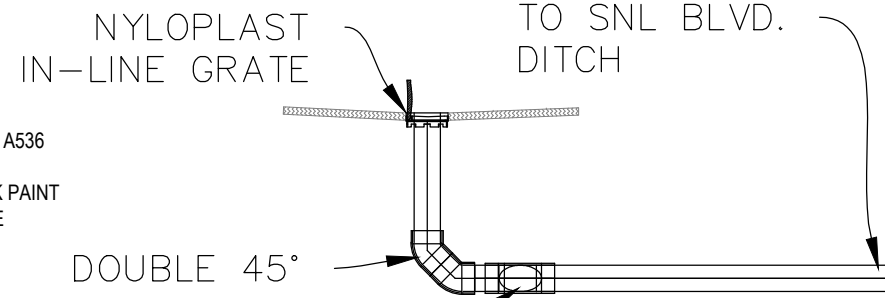
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536
GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE
DRAWING NO.
7001-110-035



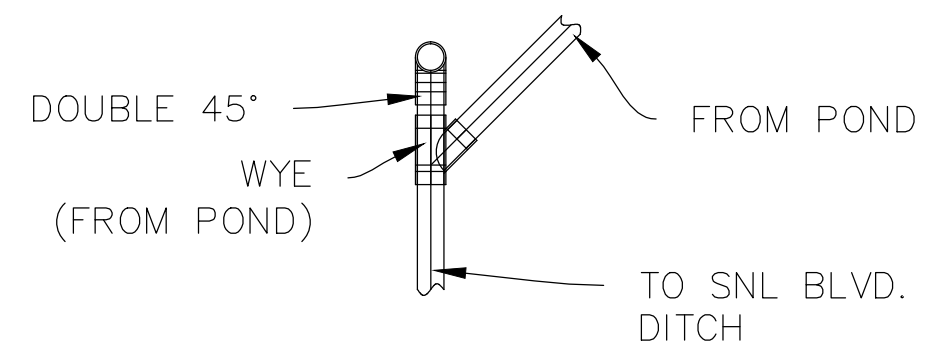
NYLOPLAST GRATE 1299CGS



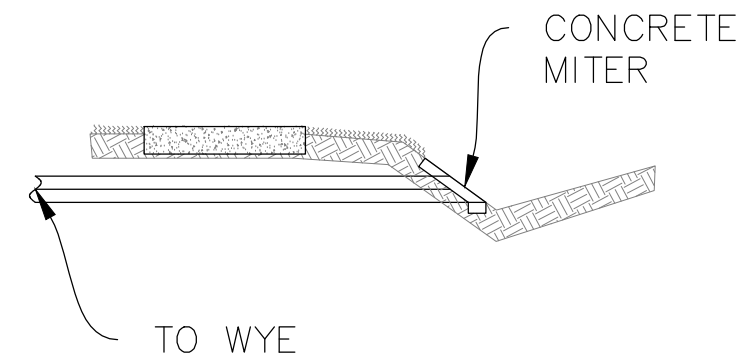
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com



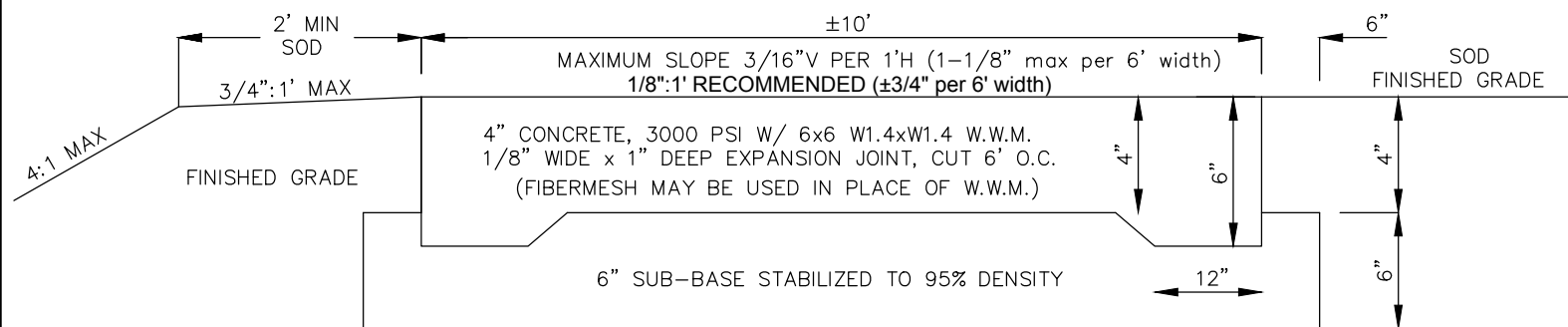
POND INLET SECTION
(N.T.S.)



WYE & CLEANOUT
PLAN VIEW
(N.T.S.)



DITCH MITER SECTION
(N.T.S.)



CART PATH REPAIR DETAILS

CART PATH NOTES:

- CART PATH GRADES TO MATCH EXISTING REMOVED PATH GRADES.
- EXPANSION FIBER JOINTS TO BE USED WHERE TYING INTO THE CONCRETE TO REMAIN.

CONSTRUCTION NOTES:

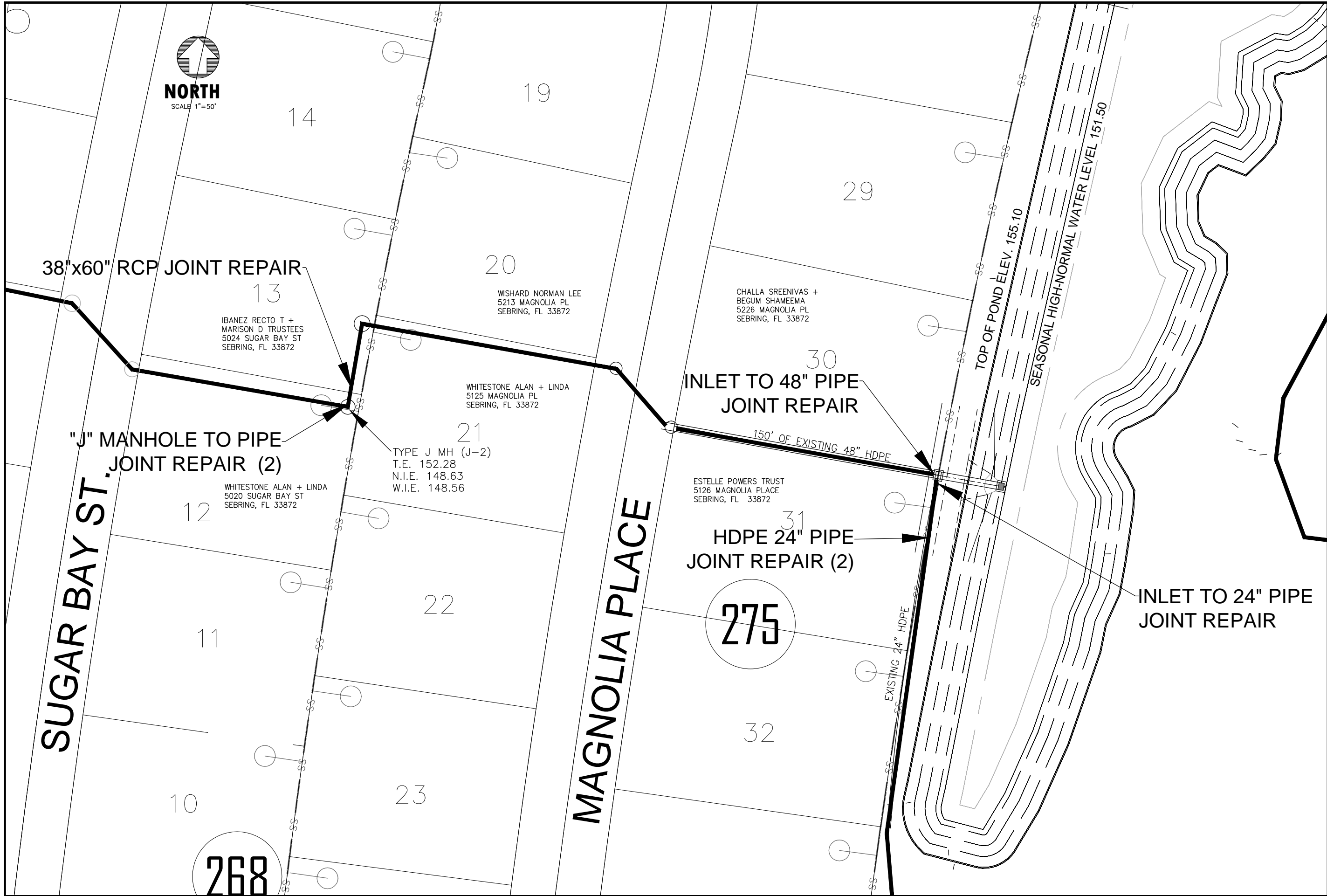
- PIPE TO BE 12" PVC DR-18 C900 OR SCHEDULE 40 (MINIMUM).
- THE TEE TERMINATING THE POND SIDE OF THE PIPE SHALL NOT BE GLUED. IT IS INTENDED TO BE ABLE TO BE REMOVED FOR MAINTENANCE AND CLEANING.
- THE MITER AT SUN 'N LAKE BLVD. SHALL BE CONSTRUCTED FOLLOWING FDOT SPECIFICATIONS. ITS INVERT SHALL MEET THE DITCH BOTTOM AS SHOWN ON THE PLAN.
- THE WYE SHALL HAVE DOUBLE 45 DEGREE FITTINGS TO TURN UP TO A CLEAN-OUT. THE CLEAN-OUT IS TO BE CAPPED WITH A NYLOPLAST DUCTILE IRON INLINE DRAIN, 12" DIAMETER, H-20 RATED.
- A NYLOPLAST DRAIN BASIN MAY BE USED IN LIEU OF THE WYE AND CLEAN-OUT IF COST EFFECTIVE, USING A H-20 RATED GRATE.
- EQUIVALENT GRATE SYSTEMS MAY BE USED IF THEY MATCH OR EXCEED SPECIFICATIONS BY THE PROVIDED EQUIPMENT SPEC. OWNER AND ENGINEER TO APPROVE SUBSTITUTIONS.

SCALE: 1"=N.T.S.	SHEET: 15 OF 24	JOB #: 16079
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DATE	REMARK	DR, CH

2925 KENILWORTH BLVD.,
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CERTIFICATE OF AUTHORIZATION # 5684
ROGER DALE POLSTON P. E. # 53222
MARVIN LUTHER WOLFF P. E. # 46030



SUN 'N LAKE OF SEBRING
PROJECT AREA 6 - DISTRICT OFFICE POND
STORMWATER DISCHARGE PIPE - SECTIONS



SUN'N LAKE OF SEBRING
PROJECT AREA 7 - MAGNOLIA SMF-WC 11
MAGNOLIA PLACE DRAINAGE REPAIRS

PE Polston Engineering Inc.
CIVIL ENGINEERING CONSULTANTS

2925 KENILWORTH BLVD.,
SEBRING, FLORIDA 33870
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CERTIFICATE OF AUTHORIZATION # 6684
ROGER DALE POLSTON P.E. # 33222
MARVIN LUTHER WOLFE P.E. # 46630

SCALE: 1"= 50'
APPROVED BY:

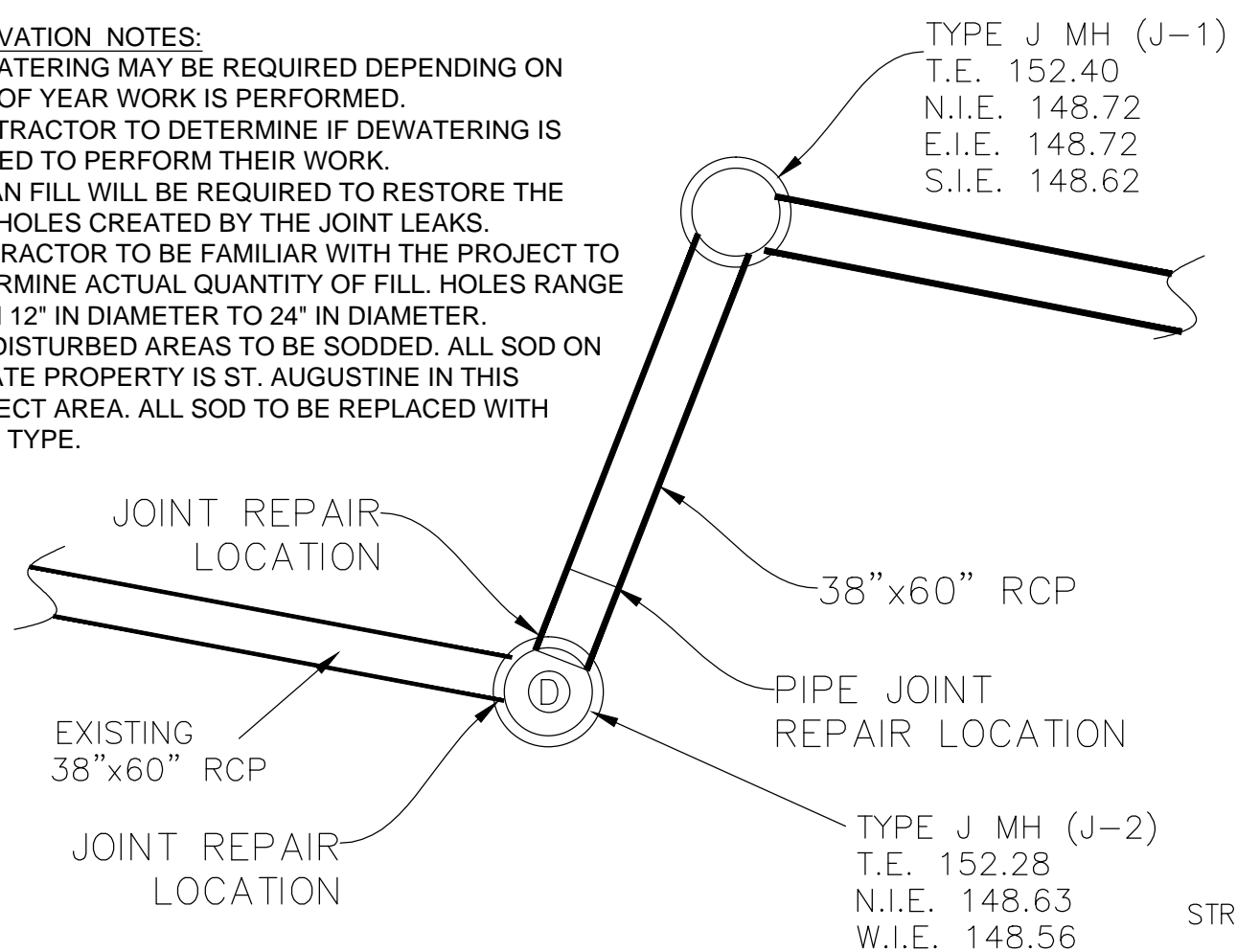
SHEET: 16 OF 24
JOB #: 16079

12-18-18	ORIGINAL SUBMITTAL	DRU	RDP
DATE	REMARK	DR	CH

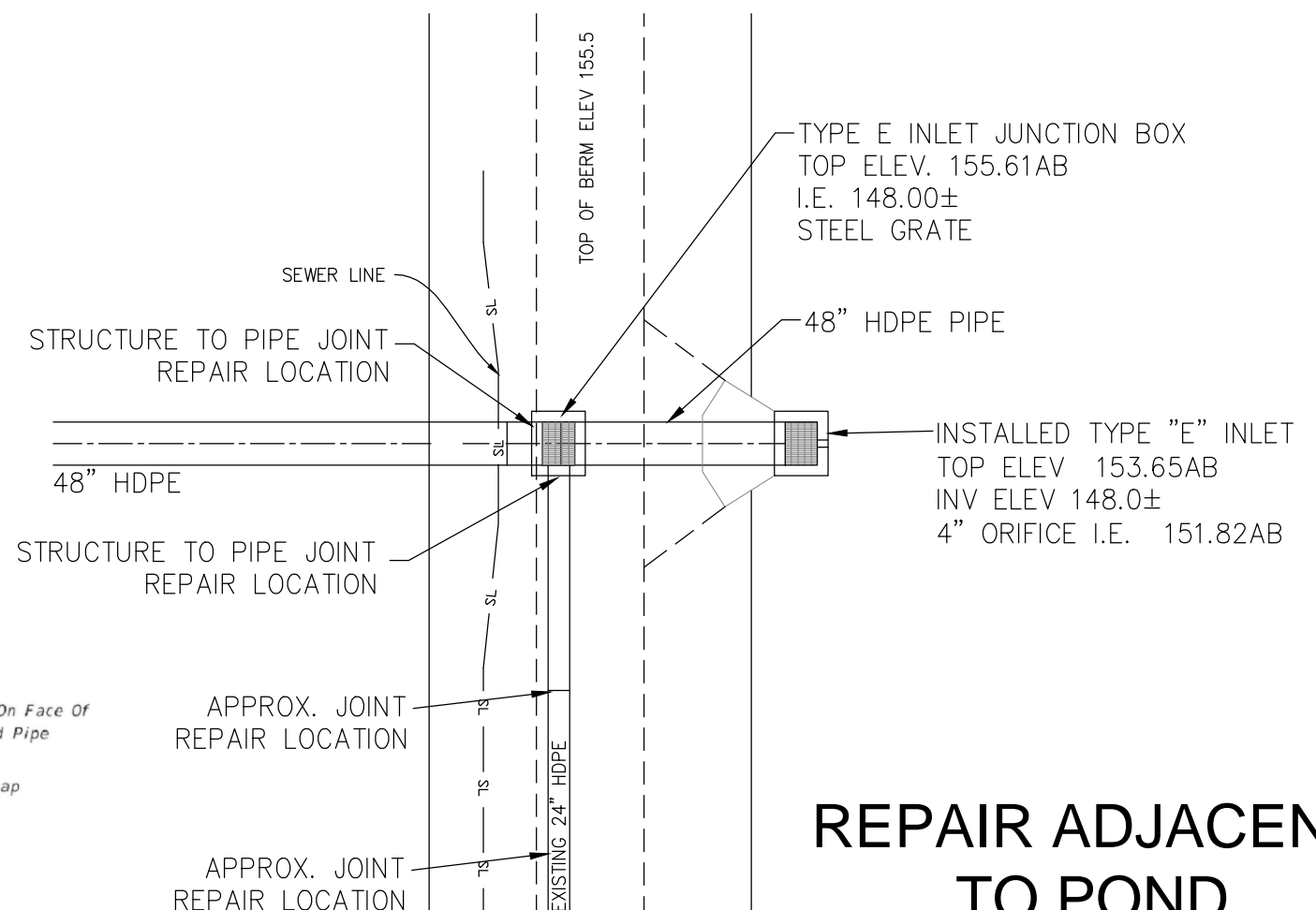
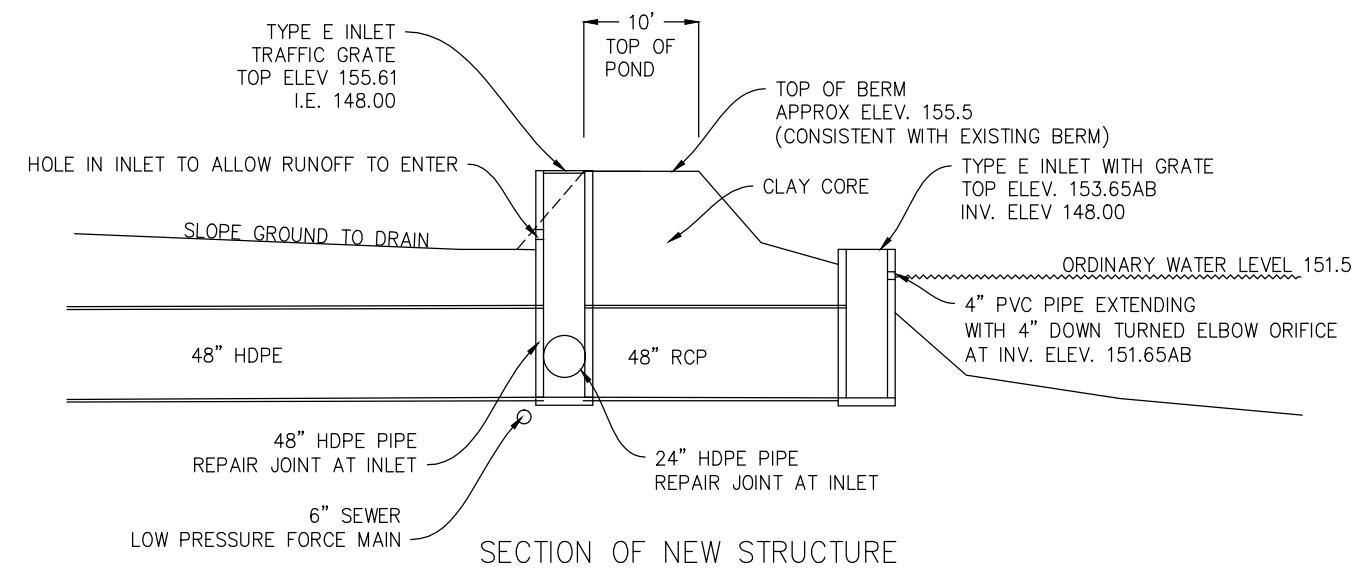
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EXCAVATION NOTES:

- DEWATERING MAY BE REQUIRED DEPENDING ON TIME OF YEAR WORK IS PERFORMED.
- CONTRACTOR TO DETERMINE IF DEWATERING IS NEEDED TO PERFORM THEIR WORK.
- CLEAN FILL WILL BE REQUIRED TO RESTORE THE SINK HOLES CREATED BY THE JOINT LEAKS. CONTRACTOR TO BE FAMILIAR WITH THE PROJECT TO DETERMINE ACTUAL QUANTITY OF FILL. HOLES RANGE FROM 12" IN DIAMETER TO 24" IN DIAMETER.
- ALL DISTURBED AREAS TO BE SODDED. ALL SOD ON PRIVATE PROPERTY IS ST. AUGUSTINE IN THIS PROJECT AREA. ALL SOD TO BE REPLACED WITH SAME TYPE.



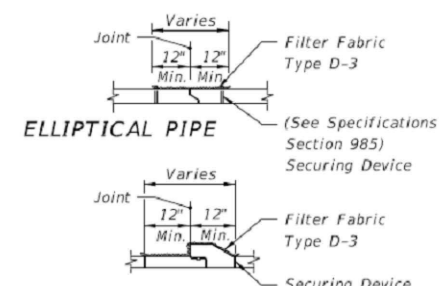
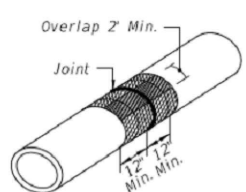
REAR LOT REPAIR



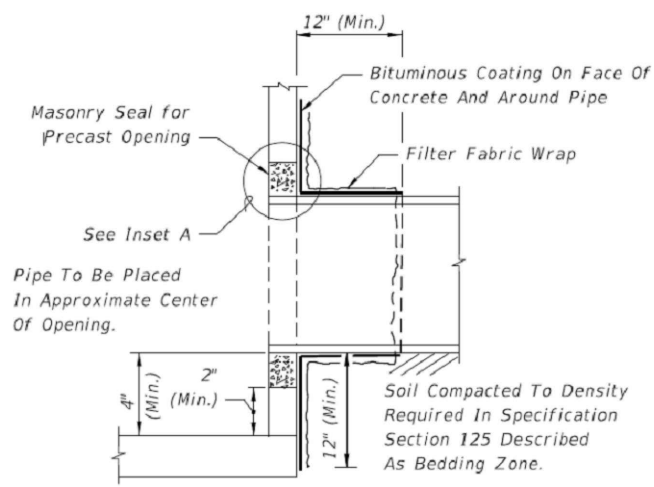
REPAIR ADJACENT TO POND

PROJECT AREA NOTES:

- THIS PROJECT AREA CONSISTS OF REPAIRS TO PIPE JOINTS AND JOINTS BETWEEN STRUCTURES AND PIPES.
- THE JOINT REPAIRS SHALL CONSIST OF GROUTING WHERE APPROPRIATE, AND GEO-TEXTILE WRAP IN ALL CASES.
- ALL PIPE JOINTS TO BE WRAPPED WITH GEO-TEXTILE FABRIC ACCORDING TO FDOT INDEX 430-001 (OLD 280).
- REFER TO FDOT INDEX 425-001 (OLD 201) FOR GEO-TEXTILE FABRIC INSTALLATION AROUND PIPE TO STRUCTURE JOINTS.



FOR ALL PIPE TYPES - CONCRETE PIPE SHOWN FILTER FABRIC JACKET



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 CERTIFICATE OF AUTHORIZATION # 5684 ROGER DALE POLSTON P.E. # 3322 MARVIN LUTHER WOLFE P.E. # 46030

PE Polston Engineering Inc.
 CIVIL ENGINEERING CONSULTANTS

SUN'N LAKE OF SEBRING
 PROJECT AREA 7 - MAGNOLIA SMF-WC 11
 MAGNOLIA PLACE DRAINAGE REPAIRS



SUN 'N LAKE OF SEBRING IMPROVEMENT DISTRICT SMF-WC4A STRUCTURE REPAIR

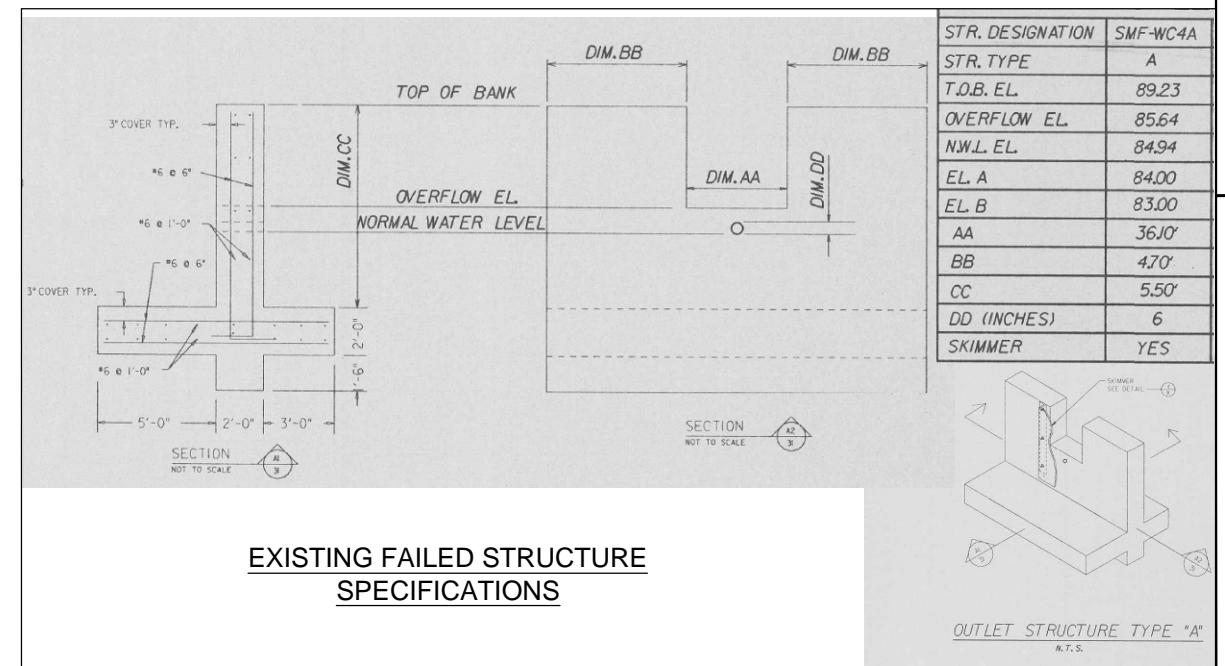
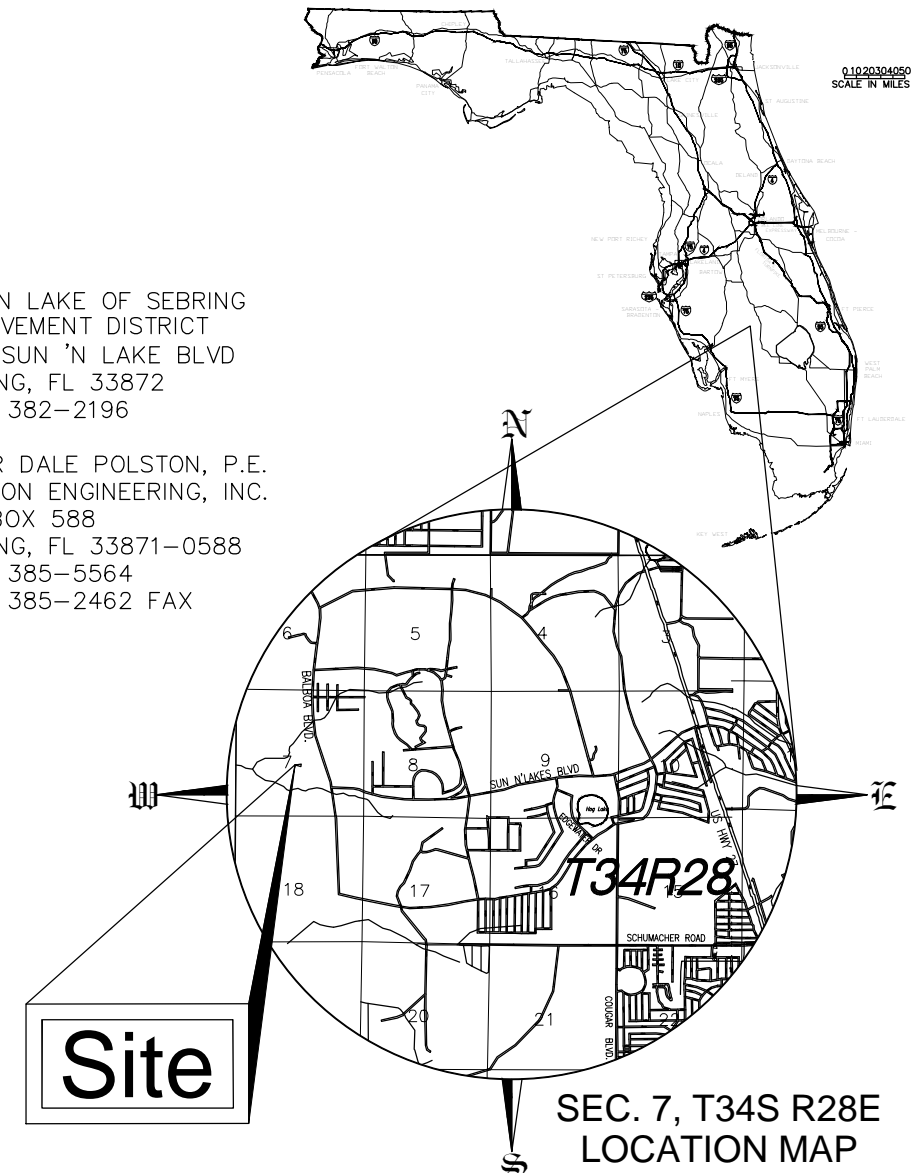


ACCESS MAP

NOTE:
THIS PROJECT AREA IS LOCATED WITHIN A GATED/FENCED PRESERVE.
THE CONTRACTOR WILL NEED TO COORDINATE THE ENTRY WITH SUN 'N
LAKE STAFF. THESE GATES ARE TO REMAIN CLOSED THROUGHOUT THE
CONSTRUCTION PROCESS TO PREVENT UNAUTHORIZED VEHICULAR
ENTRY.

OWNER: SUN 'N LAKE OF SEBRING
IMPROVEMENT DISTRICT
5306 SUN 'N LAKE BLVD
SEBRING, FL 33872
(863) 382-2196

ENGINEER: ROGER DALE POLSTON, P.E.
POLSTON ENGINEERING, INC.
P.O. BOX 588
SEBRING, FL 33871-0588
(863) 385-5564
(863) 385-2462 FAX



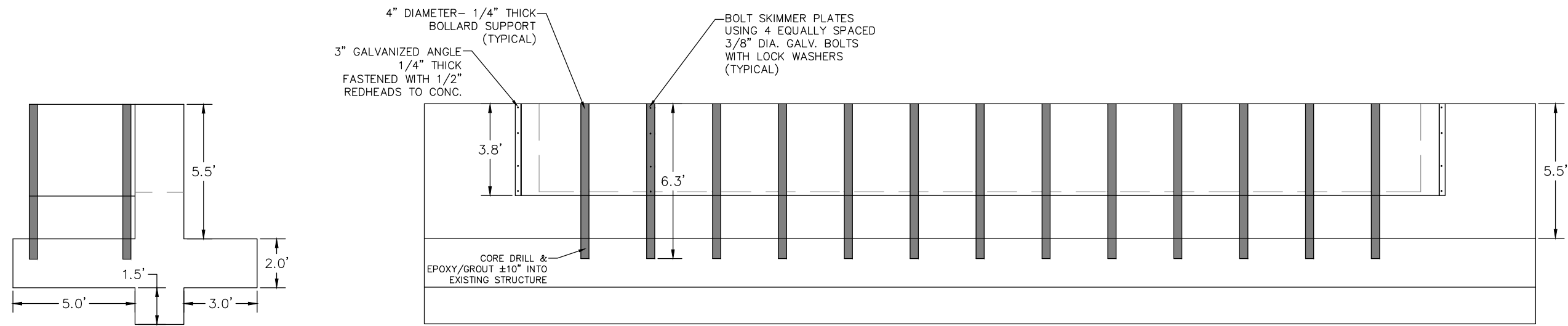
**EXISTING FAILED STRUCTURE
SPECIFICATIONS**

SCALE: 1" = N.T.S.	SHEET: 18 OF 24	JOB #:	16079
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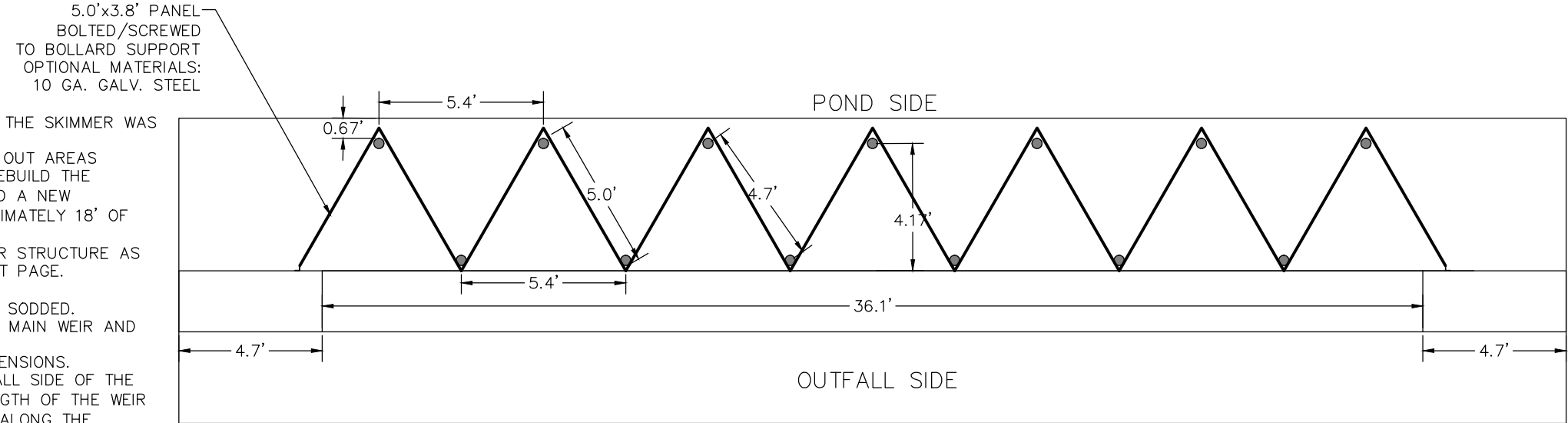
2925 KENILWORTH BLVD.
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CERTIFICATE OF AUTHORIZATION # 5684
ROGER DALE POLSTON P. E. # 33222
MARVIN LUTHER WOLFE P. E. # 46030



**SUN 'N LAKE OF SEBRING
PROJECT AREA 8
SMF-WC4A STRUCTURE REPAIR**



FRONT VIEW



PLAN VIEW



STRUCTURE NOTES:
 -EXISTING STRUCTURE HAS A BLOWN OUT SIDE AND THE SKIMMER WAS WASHED AWAY.
 -THE PROPOSED REPAIR IS TO FILL IN THE WASHED OUT AREAS ADJACENT TO THE STRUCTURE BLOW OUT AND TO REBUILD THE STRUCTURE BY ADDING 12' WINGS TO EACH SIDE AND A NEW RE-DESIGNED SKIMMER PLATE. (WASHOUT IS APPROXIMATELY 18' OF BERM THAT IS MISSING)
 -WINGS TO UTILIZED SAME DIMENSIONS AS MAIN WEIR STRUCTURE AS WELL AS SAME REINFORCEMENT SHOWN ON THE FIRST PAGE.
 -EXISTING FAILED PILLOW RIP-RAP TO BE REMOVED.
 -ALL DISTURBED/REMADE POND BERM AREAS TO BE SODDED.
 -BACKFILL POND BERM AT 1:2 SLOPE TOWARDS THE MAIN WEIR AND 1:4 TO THE INSIDE AND OUTSIDE OF THE POND.
 -DEWATERING MAY BE REQUIRED FOR THE WALL EXTENSIONS.
 -RIP-RAP ROCK IS TO BE INSTALLED ON THE OUTFALL SIDE OF THE STRUCTURE APPROXIMATELY 6' WIDE ALONG THE LENGTH OF THE WEIR 8-12" DEPTH . RIP-RAP IS ALSO TO BE INSTALLED ALONG THE ADJACENT SLOPES AS SHOWN ON THE PLANS.

SCALE: 1" = N.T.S. SHEET: 19 OF 24 JOB #: 16079

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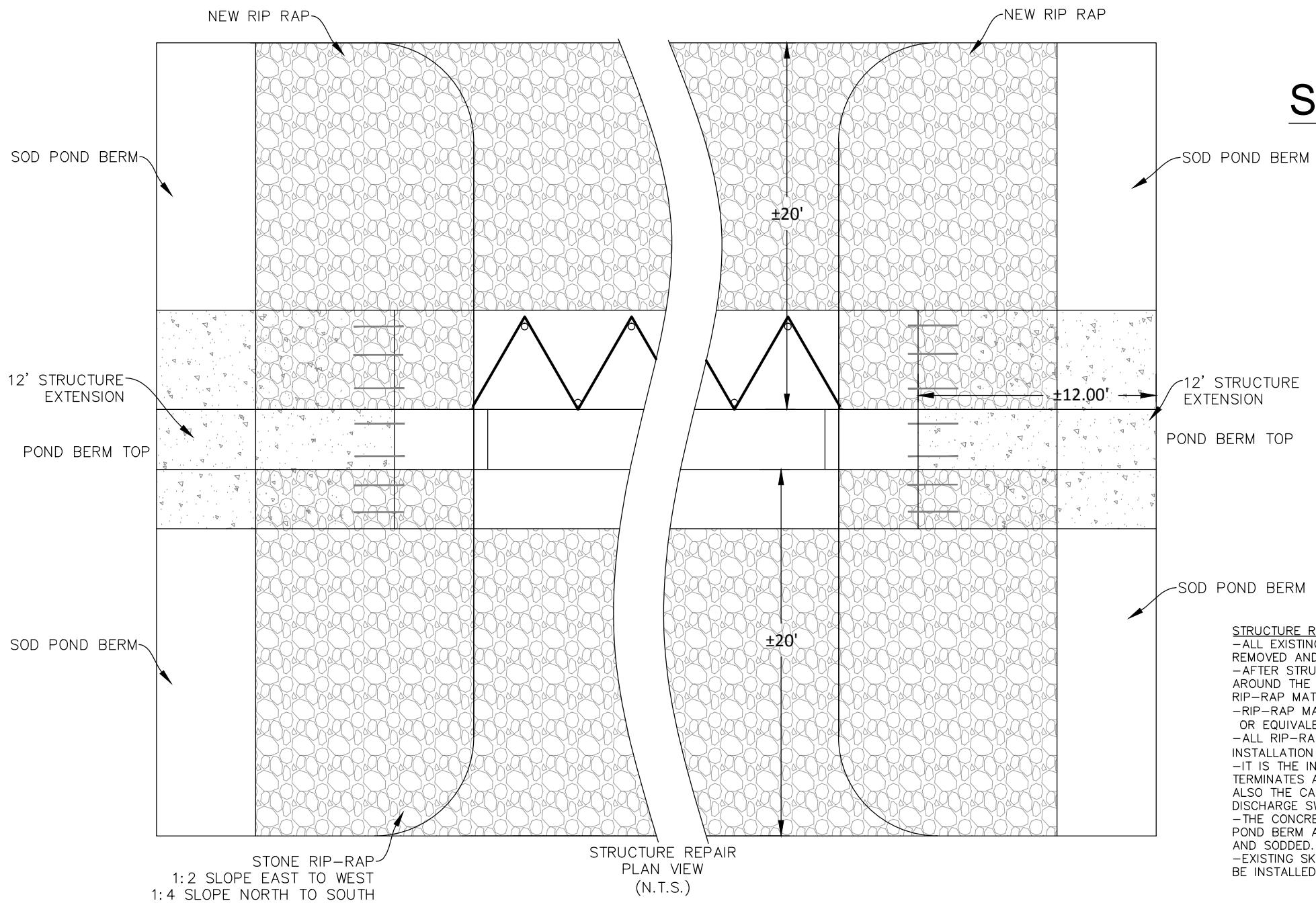
DATE REMARK

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 MARVIN LUTHER WOLFE P.E. # 46030



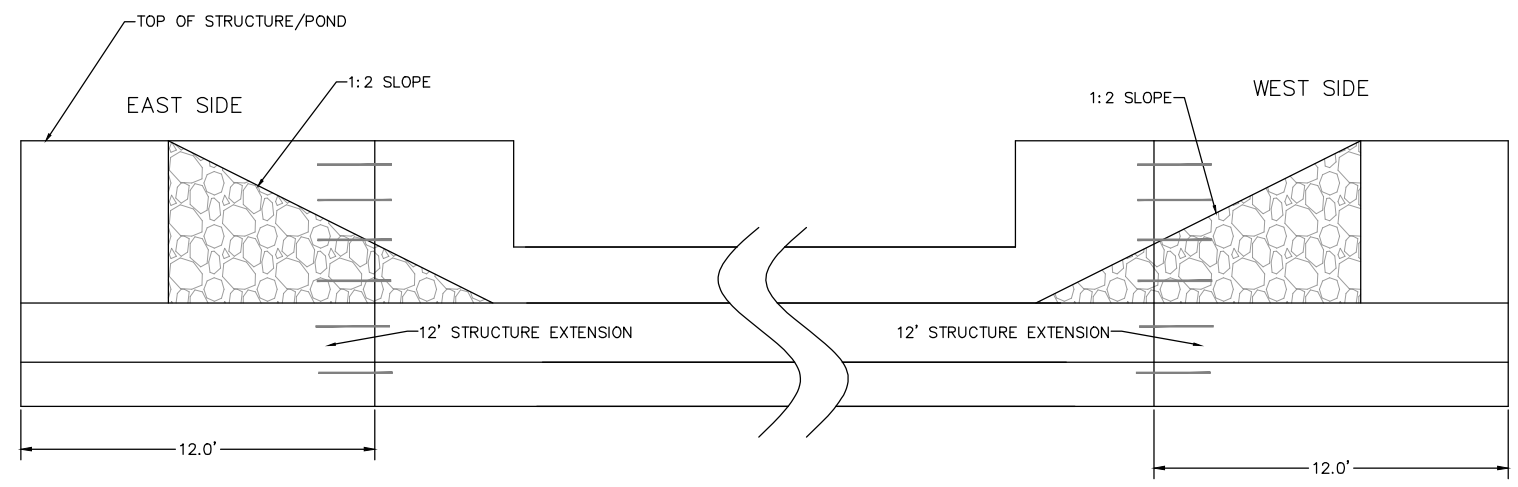
SUN 'N LAKE OF SEBRING
 PROJECT AREA 8
 SMF-WCA4 STRUCTURE REPAIR



STRUCTURE RIP-RAP DETAIL

STRUCTURE REPAIR NOTES:

- ALL EXISTING RIP-RAP ON THE SIDE AND FRONT OF THE STRUCTURE TO BE REMOVED AND CLEANED UP.
- AFTER STRUCTURE EXTENSIONS ARE COMPLETE, POND BERM AND AREA AROUND THE STRUCTURE IS TO BE RE-GRADED AND PREPPED FOR NEW RIP-RAP MATERIAL.
- RIP-RAP MATERIAL IS TO BE 8-12" OF 4-6" STONE OR CRUSHED CONCRETE OR EQUIVALENT.
- ALL RIP-RAP TO HAVE GEO-TEXTILE MATERIAL PLACED UNDER PRIOR TO INSTALLATION OF RIP-RAP ROCKS/STONE, MIRAFI 140N OR EQUIVALENT.
- IT IS THE INTENT FOR THIS MATERIAL TO TUCK INTO THE GROUND WHERE IT TERMINATES ALONG THE POND BERM TO HELP PREVENT UNDERMINING. THIS IS ALSO THE CASE WHERE THE MATERIAL ENDS INSIDE THE POND BOTTOM AND DISCHARGE SWALE AS MUCH AS POSSIBLE.
- THE CONCRETE DISCHARGE STRUCTURE WALL WILL BE EXTENDED INTO THE POND BERM AN ADDITIONAL 12 FEET AND THE POND SLOPES BE RE-GRADED AND SODDED.
- EXISTING SKIMMER REMAINS ARE TO BE REMOVED AND A NEW SKIMMER IS TO BE INSTALLED FOLLOWING THE PLANS HEREIN.

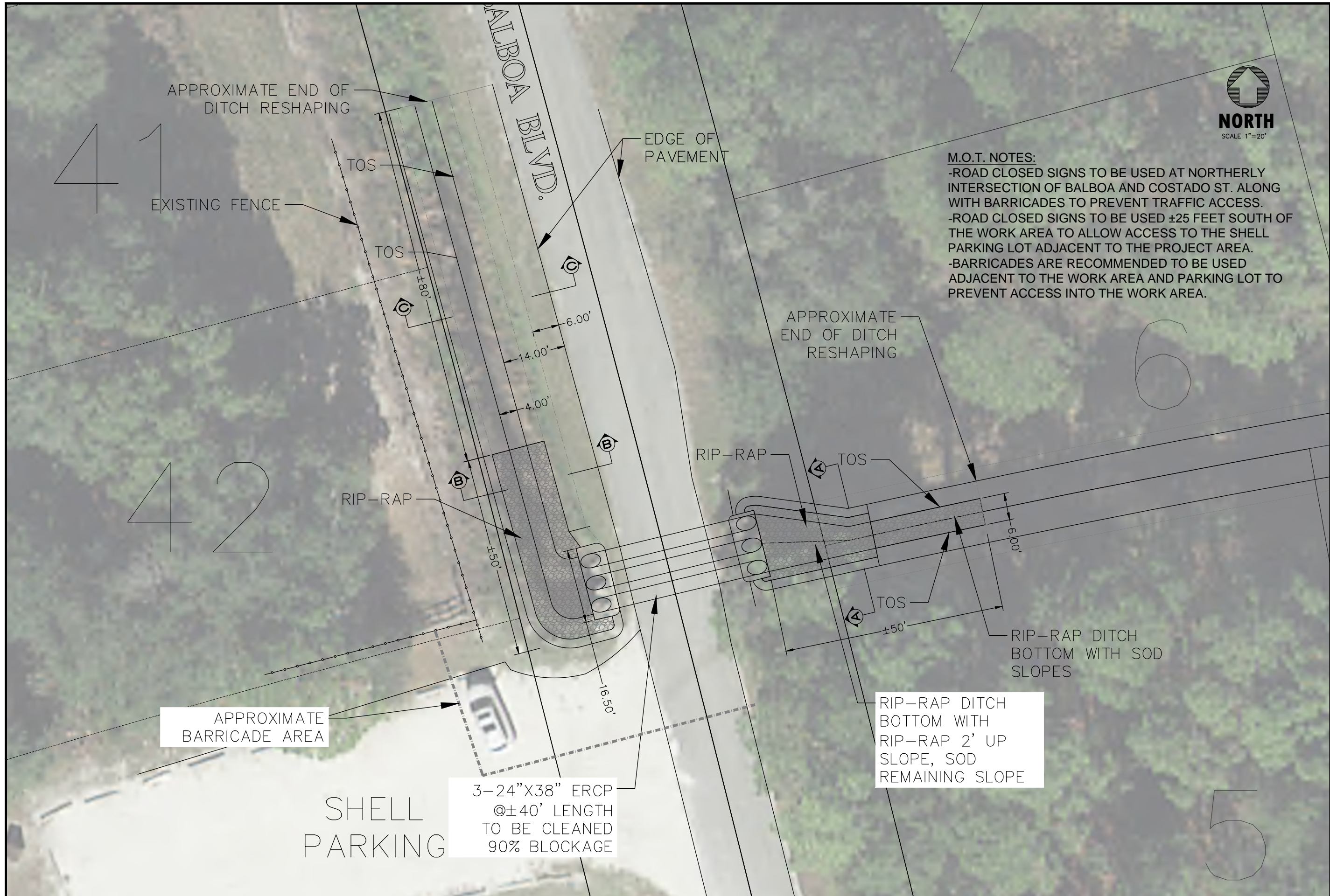


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			DR CH

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MARVIN LUTHER WOLFE P.E. # 46030



**SUN 'N LAKE OF SEBRING
PROJECT AREA 8
SMF-WC4A STRUCTURE REPAIR**



M.O.T. NOTES:
 -ROAD CLOSED SIGNS TO BE USED AT NORTHERLY INTERSECTION OF BALBOA AND COSTADO ST. ALONG WITH BARRICADES TO PREVENT TRAFFIC ACCESS.
 -ROAD CLOSED SIGNS TO BE USED ±25 FEET SOUTH OF THE WORK AREA TO ALLOW ACCESS TO THE SHELL PARKING LOT ADJACENT TO THE PROJECT AREA.
 -BARRICADES ARE RECOMMENDED TO BE USED ADJACENT TO THE WORK AREA AND PARKING LOT TO PREVENT ACCESS INTO THE WORK AREA.

SCALE: 1"=20'	SHEET: 21 OF 24	JOB #:	16079
APPROVED BY:	12-18-18 ORIGINAL SUBMITTAL	DRJ RDP	
		DATE	REMARK
			DR/CH

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SUN'N LAKE OF SEBRING
PROJECT AREA 9 - BALBOA
STORMWATER CULVERT REPAIR

GEO-TEXTILE INSTRUCTIONS: (MIRAFI 140N)
BANK STABILIZATION / ROCK (ARMOR) UNDERLAYMENT

Site Preparation

-Clear the site of all large stones, roots, or other debris that might damage the geotextile. Excavate and shape the site to the lines and grades as directed by the Engineer. Fill depressions or holes to ensure intimate contact between the geotextile and the prepared surface.

-Place the geotextile in close contact with the soil, eliminating folds or excessive wrinkles both longitudinally and transversely. The geotextile need not be placed in tension before covering with riprap or other materials. Use care in placing the geotextile to avoid possible damage.

-The geotextile can be joined by overlapping or sewing. The minimum overlap distance in the transverse or longitudinal direction is 0.6 m (2 ft), except in underwater installations where the minimum overlap is 1 m (3 ft). Sewn seams are allowed if the overlap in the transverse or longitudinal direction is at least 15 cm (6 in).

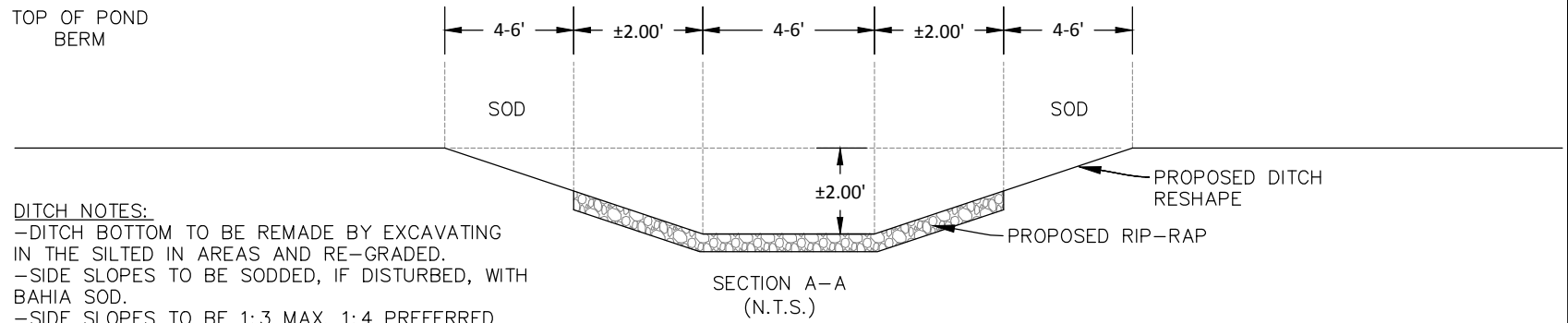
-Anchor the geotextile firmly at the top of the slope using an anchor trench. For maximum effectiveness, the trench should be at least 1 m (3 ft) from the crest of the slope and at least 0.6 m (2 ft) deep. Thoroughly compact soil in the trench to ensure good anchorage.

-When placing geotextile along a stream or other places where water movements are expected, anchor the toe of the geotextile in a similar fashion as at the top to prevent scour beneath it.

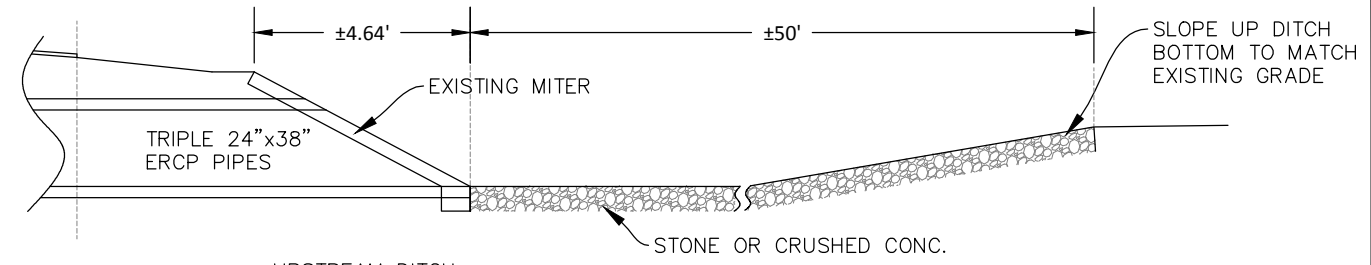
Rock (Armor) Placement

-Stone or armor block shall be placed directly on the geotextile material as directed by the Project Engineer. Riprap and heavy rock cover shall not be dropped onto the geotextile from a height of more than 0.3 m (1 ft). Slope protection and smaller sizes of rock cover shall not be dropped onto the geotextile from a height exceeding 1 m (3 ft). Any geotextile damaged during placement shall be replaced as directed by the Project Engineer.

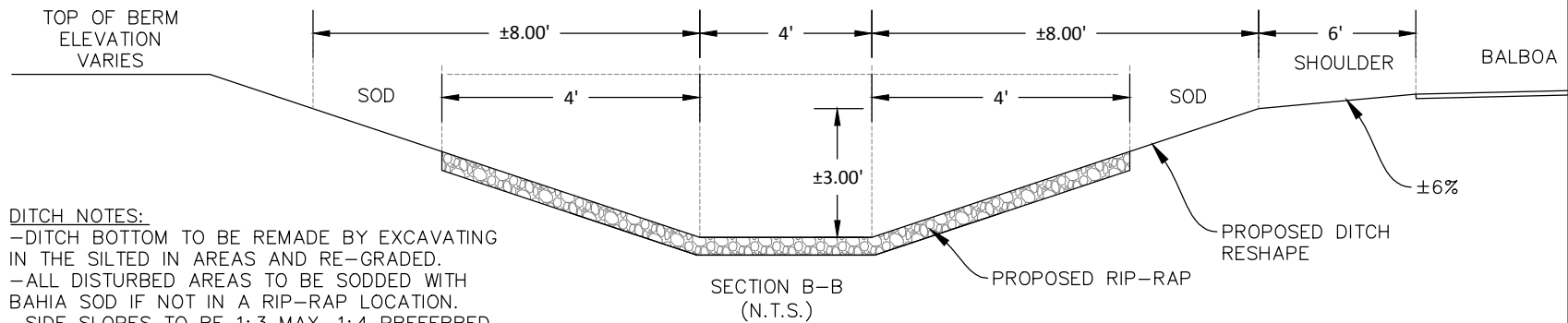
THE ABOVE DETAILS SHALL APPLY IN ALL PROJECT AREAS.



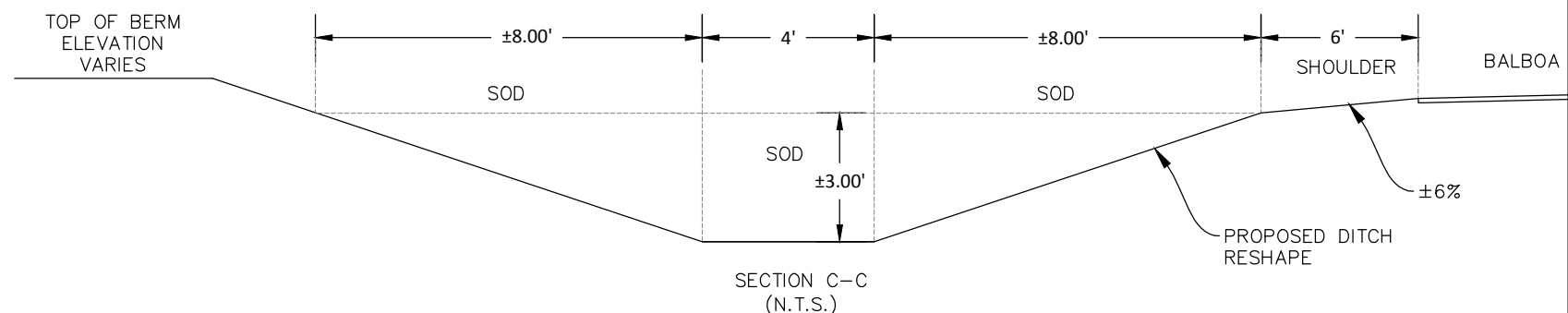
DITCH NOTES:
 -DITCH BOTTOM TO BE REMADE BY EXCAVATING IN THE SILTED IN AREAS AND RE-GRADED.
 -SIDE SLOPES TO BE SODDED, IF DISTURBED, WITH BAHIA SOD.
 -SIDE SLOPES TO BE 1:3 MAX, 1:4 PREFERRED IF AREA ALLOWS.
 -DITCH BOTTOM 4-6" SIZED STONE/CRUSHED CONCRETE 8-12" THICK (WHERE SHOWN, OTHERWISE SOD)
 -ALL RIP-RAP TO HAVE GEO-TEXTILE MATERIAL PLACED UNDER PRIOR TO INSTALLATION OF RIP-RAP ROCKS/STONE, MIRAFI 140N OR EQUIVALENT.



UPSTREAM NOTES:
 -DITCH BOTTOM IS TO HAVE 8-12" OF 4-6" STONE OR CRUSHED CONCRETE FOR RIP-RAP.



DITCH NOTES:
 -DITCH BOTTOM TO BE REMADE BY EXCAVATING IN THE SILTED IN AREAS AND RE-GRADED.
 -ALL DISTURBED AREAS TO BE SODDED WITH BAHIA SOD IF NOT IN A RIP-RAP LOCATION.
 -SIDE SLOPES TO BE 1:3 MAX, 1:4 PREFERRED IF AREA ALLOWS.
 -DITCH BOTTOM 4-6" SIZED STONE/CRUSHED CONCRETE 8-12" THICK (WHERE SHOWN, OTHERWISE SOD)
 -ALL RIP-RAP TO HAVE GEO-TEXTILE MATERIAL PLACED UNDER PRIOR TO INSTALLATION OF RIP-RAP ROCKS/STONE, MIRAFI 140N OR EQUIVALENT.



16079	JOB #:
DRJ RDP	ORIGINAL SUBMITTAL
12-18-18	DATE
REMARK	REMARK
DR CH	DR CH

SCALE: 1"=N.T.S.
 APPROVED BY:
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SUN'N LAKE OF SEBRING
PROJECT AREA 9 - BALBOA DETAILS
STORMWATER CULVERT REPAIR



CONCRETE MITER DAMAGED
REMOVE MITER AND BACKFILL
WASHED OUT AREA AND
REPLACE MITER
(PIPE TO REMAIN IN PLACE)

APPROXIMATE 10X20
PATCH AREA IF
REPAIR EXTENDS TO
ROADWAY

DITCH BOTTOM NEEDS
APPROXIMATE 3.5
FEET OF FILL
(SEE DETAIL)

END DITCH
RESHAPING

END RIP-RAP
BOTTOM

DUAL 24"x38" ERCP

FETTUCCINE AVE.

REMOVE EXISTING MITER AND ADD
TWO SECTIONS OF 24"x38" ERCP TO
EXTEND MITERED END 8 FEET
REPLACE MITER IN NEW LOCATION

BEGIN TAPER

TOS

RIP-RAP
ONLY BOTTOM IN
THIS AREA

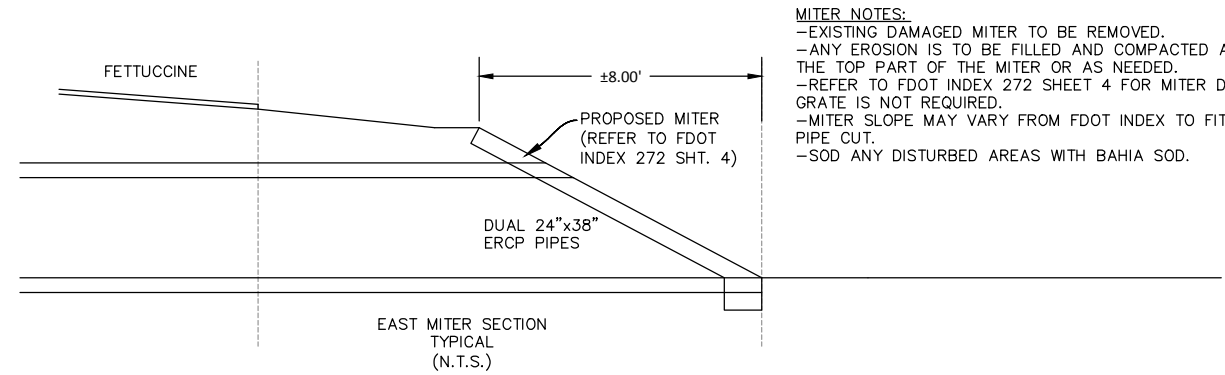
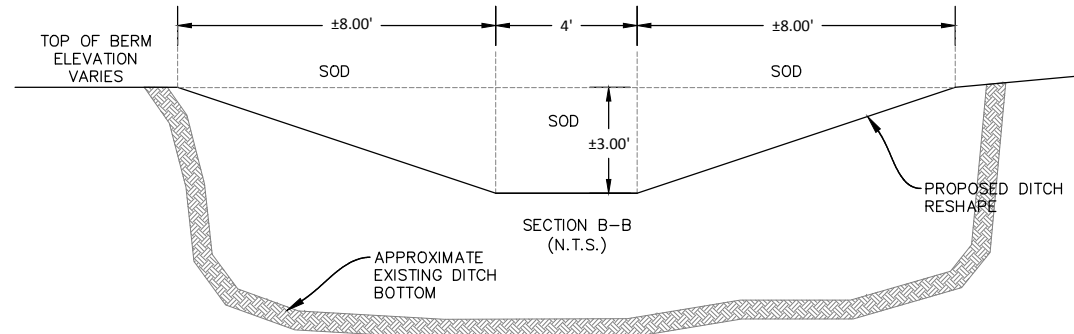
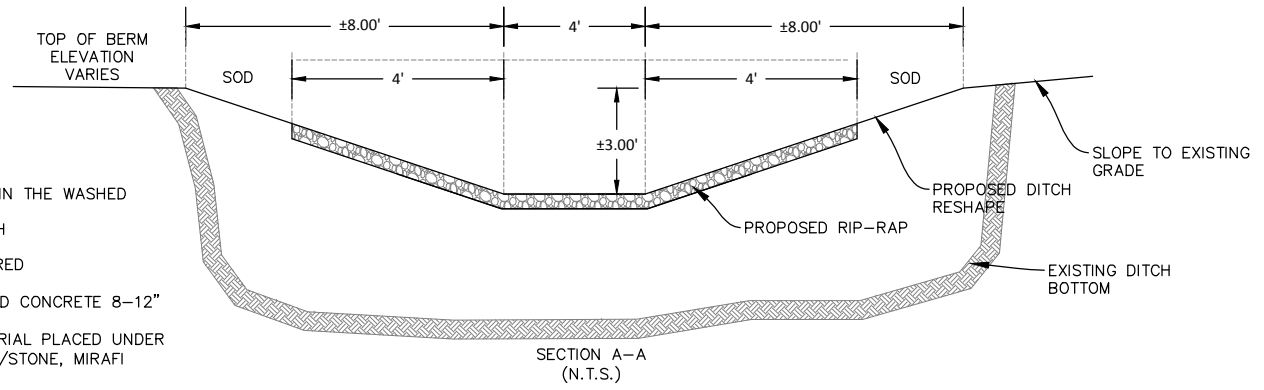
SCALE: 1"=20'	SHEET: 23 OF 24	JOB #:	16079
APPROVED BY:	12-18-18 ORIGINAL SUBMITTAL	DRJ	RDP
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			DR/CH

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SUN'N LAKE OF SEBRING
PROJECT AREA 10 - FETTUCCINE
STORMWATER CULVERT REPAIR

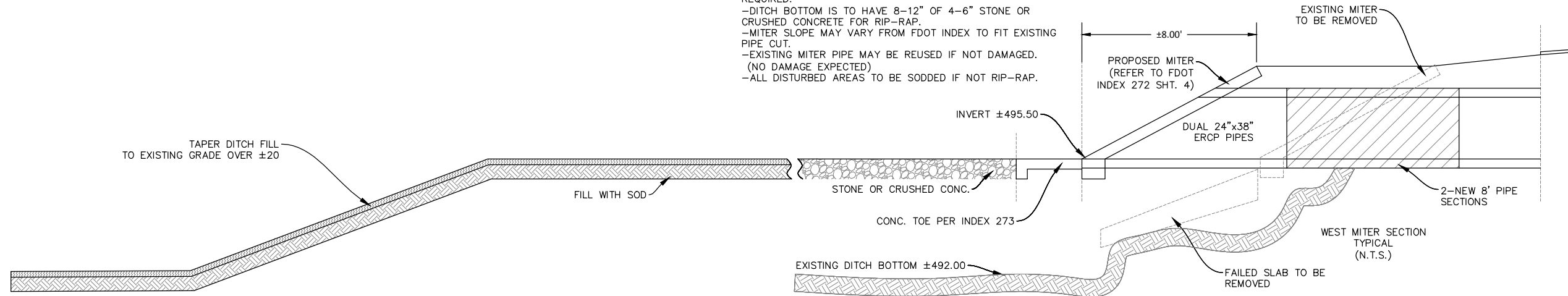
DITCH NOTES:
 -DITCH BOTTOM TO BE REMADE BY FILLING IN THE WASHED OUT AREAS AND GRADING TO SPEC.
 -ALL DISTURBED AREAS TO BE SODDED WITH BAHIA SOD IF NOT IN A RIP-RAP LOCATION.
 -SIDE SLOPES TO BE 1:3 MAX, 1:4 PREFERRED IF AREA ALLOWS.
 -DITCH BOTTOM 4-6" SIZED STONE/CRUSHED CONCRETE 8-12" THICK (WHERE SHOWN, OTHERWISE SOD)
 -ALL RIP-RAP TO HAVE GEO-TEXTILE MATERIAL PLACED UNDER PRIOR TO INSTALLATION OF RIP-RAP ROCKS/STONE, MIRAFI 140N OR EQUIVALENT.



MITER NOTES:
 -EXISTING DAMAGED MITER TO BE REMOVED.
 -ANY EROSION IS TO BE FILLED AND COMPACTED AROUND THE TOP PART OF THE MITER OR AS NEEDED.
 -REFER TO FDOT INDEX 272 SHEET 4 FOR MITER DETAIL, GRATE IS NOT REQUIRED.
 -MITER SLOPE MAY VARY FROM FDOT INDEX TO FIT EXISTING PIPE CUT.
 -SOD ANY DISTURBED AREAS WITH BAHIA SOD.

MITER NOTES:
 -OLD MITER AND PIPES TO BE REMOVED.
 -REFER TO FDOT INDEX 272 SHEET 4 FOR MITER DETAIL, GRATE IS NOT REQUIRED. THE ADDITIONAL 3' TOE IS REQUIRED.
 -DITCH BOTTOM IS TO HAVE 8-12" OF 4-6" STONE OR CRUSHED CONCRETE FOR RIP-RAP.
 -MITER SLOPE MAY VARY FROM FDOT INDEX TO FIT EXISTING PIPE CUT.
 -EXISTING MITER PIPE MAY BE REUSED IF NOT DAMAGED. (NO DAMAGE EXPECTED)
 -ALL DISTURBED AREAS TO BE SODDED IF NOT RIP-RAP.

RESTORATION NOTES:
 -ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITIONS.
 -RESTORATION MAY INCLUDE, BUT NOT LIMITED TO, GRADING, AND SODDING.
 -ANY DAMAGE TO THE ROADWAY FROM CONTRACTORS WORK WILL BE REPAIRED BY THE CONTRACTOR.



SCALE: 1"=N.T.S.	SHEET: 24 OF 24	JOB #:	16079
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**SUN'N LAKE OF SEBRING
 PROJECT AREA 10 - FETTUCCINE
 STORMWATER CULVERT REPAIR**