

TECHNICAL PLANS AND SPECIFICATIONS FOR HUBBARD ROAD (DW-055) DRAINAGE WELL REHABILITATION

SITE VICINITY MAP



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NOT TO SCALE NOVEMBER 2018 ISSUED FOR BID

INDEX OF SHEETS

TITLE

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RAL NOTES AND SPECIFICATIONS MARY OF QUANTITIES

GRAPHIC SURVEY
SOUTHEASTERN SURVEYING AND MAPPING CORPORATION FOR REFERENCE ONLY

ING DRAINAGE WELL AND REHABILITATION DRAINAGE WELL DETAILS





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GENERAL NOT	TES:	
1. THESE GENERAL NOTES APPLY TO	D ALL WORK IN THIS SET OF DRAWINGS.	
2. IT WILL BE THE RESPONSIBILITY (ARE IN HAND AT THE JOB SITE F CONDITIONS CONTAINED THEREIN	DF THE CONTRACTOR(S) TO ENSURE THAT ALL REQUIRED PE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRAC	IRMITS ARE OBTAINED AND TOR SHALL ABIDE BY ALI
3. THE SPECIFICATIONS, NOTES AND DO NOT PURPORT TO COVER ALL AND INSTALL THE WORK IN ALL	PLANS CALL ATTENTION TO CERTAIN REQUIRED FEATURES ON DETAILS OF DESIGN AND CONSTRUCTION. HOWEVER, THE DETAILS AND READY FOR OPERATION.	IF THE CONSTRUCTION BU CONTRACTOR SHALL FURN
4. ALL EQUIPMENT SHALL BE HANDL APPLICABLE MANUFACTURER'S WR	ED, STORED, INSTALLED, TESTED AND OPERATED IN STRICT	ACCORDANCE WITH THE
5. ALL WORK SHALL BE ACCOMPLISH PROJECT ENGINEER.	HED TO THE HIGHEST QUALITY CRAFTSMANSHIP STANDARDS	AS APPROVED BY THE
6. ALL WORK SHALL BE ACCOMPLISH ORDINANCES AND REGULATIONS.	HED IN STRICT ACCORDANCE WITH ALL APPLICABLE FEDERAL	, STATE, AND LOCAL COD
7. APPARENT ERRORS, DISCREPANCIE	ES OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT	O THE PROJECT ENGINEE
8. AFTER COMPLETION OF CONSTRUC ALL TRASH, DEBRIS, EXCESS MAT THE PROJECT SITE CLEAN AND	CTION, THE CONTRACTOR SHALL PERFORM SITE CLEAN—UP ERIAL AND EQUIPMENT. IT SHALL BE THE CONTRACTOR'S RE IN GOOD ORDER AT THE TIME OF FINAL ACCEPTANCE.)PERATION FOR REMOVAL SPONSIBILITY TO PRESEN
9. THE CONTRACTOR SHALL COMPLY FLORIDA DEPARTMENT OF TRANSP	WITH ALL RULES, REGULATIONS, AND SPECIFICATIONS OF CONTATION FOR SITE IMPROVEMENT IN THE ABSENCE OF A F	RANGE COUNTY AND THE ARTICULAR REQUIREMENT.
10. FLORIDA LAW (F.S. 553.851) PRO COMMENCE OR PERFORM ANY EX THE PUBLIC USE, OR GAS UTILITY LOCATION OF GAS PIPELINES IN HAND TOOLS OR POWER TOOLS V MATERIAL BY SUCH METHODS AS PLOWING. THE EXCAVATOR MUS PRIOR TO EXCAVATING (EXCLUDING	DIECTION OF UNDERGROUND PIPELINES MANDATES THAT "NO CAVATION IN ANY PUBLIC OR PRIVATE STREET, ALLEY, RIGHT Y EASEMENT WITHOUT FIRST OBTAINING INFORMATION CONCE THE AREA OF THE PROPOSED EXCAVATION." THIS INCLUDES WHICH MOVES OR REMOVES ANY STRUCTURE, EARTH, ROCK, DIGGING, BACK FILLING, DEMOLITION, GRADING, DITCHING, D T NOTIFY THE GAS UTILITY A MINIMUM OF 48 HOURS AND A G SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS).	EXCAVATOR SHALL -OF-WAY DEDICATED TO RNING THE POSSIBLE ANY OPERATION UTILIZI OR OTHER MASS OF RILLING, BORING AND CAE MAXIMUM OF 5 DAYS
11. CONTRACTOR SHALL NOTIFY ALL A THEIR STANDARD REQUIREMENTS; TV COMPANIES.	APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WINCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TE	VORK IN ACCORDANCE WIT Elephone, gas, and cab
12. ANY DIFFERING SITE CONDITIONS SURFACE OF THE GROUND, SHOU WRITING. NO CLAIM FOR EXPENS ALLOWED IF CONTRACTOR FAILS T THE PROJECT ENGINEER AND OWN	FROM THOSE WHICH ARE REPRESENTED HEREON, WHETHER ILD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENO SES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH NER.	ABOVE, ON OR BELOW TI SINEER AND OWNER IN CONDITIONS WILL BE CONDITIONS FOR REVIEW
13. THE CONTRACTOR SHALL FURNISH AND VERTICAL DIMENSIONING OF THE RECORD DRAWING OR A RE CONTRACTOR AS CORRECT. ALL IN OR CIRCLING. ALL REVISED INFOR	HOWNER WITH ACCURATE RECORD DRAWINGS SHOWING AS- THE WORK. THE SUBMITTAL COPY OF THE RECORD DRAWIN PRODUCIBLE COPY PREPARED BY THE ENGINEER SHALL BE NFORMATION WHICH IS UNCHANGED AND CURRENT SHALL BE RMATION SHALL BE CROSSED THROUGH AND NEW DATA ADDE	CONSTRUCTED HORIZONTA IGS WILL NOT BE RETURN CERTIFIED BY THE E NOTED BY CHECKING OI ED.
14. ALL PRIVATE AND PUBLIC PROPER BETTER THAN EXISTED UNLESS SI	RTIES AFFECTED BY THIS WORK SHALL BE RESTORED TO A PECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SU	CONDITION EQUAL TO OR CH RESTORATION SHALL E
15 IN THE EVENT THERE IS A CONFL	CTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.	PROVISIONS THE ORANGE
GEOMETRY &	SURVEY NOTES:	
1. THE PROPOSED DRAINAGE WELL SURVEY AND MAPPING CORPORAT	DESIGN PLANS ARE BASED ON A SURVEY PREPARED FOR T TION, DATED 3/18/2016.	HE OWNER BY SOUTHEAS
2. REFER TO THE SURVEY SHEET A	ND SURVEYOR'S NOTES FOR REFERENCED BENCHMARKS.	1
3. CONTRACTOR SHALL STAKE ALL T RESPONSIBILITY TO COMPLETELY HORIZONTAL AND VERTICAL, PRI PROJECT ENGINEER IF ANY APPA	MPROVEMENTS USING THE GEOMETRIC DATA PROVIDED. IT IS STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUA OR TO THE INSTALLATION OF ANY IMPROVEMENTS. THE CONT RENT DISCREPANCIES ARE FOUND.	THE CONTRACTOR'S SOL TE POSITIONING, BOTH RACTOR SHALL NOTIFY T
4. ALL (P.R.M.'s) IRONS AND MONU	MENTS SHOWN ON PLANS, OR FOUND, SHALL BE PRESERVED).
5. POBLIC LAND CORNERS WITHIN T DANGER OF BEING DESTROYED O SURVEYOR, WITHOUT DELAY, BY 48 HOURS OF TELEPHONE NOTIF	THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED IF A CO OR DISTURBED, THE CONTRACTOR SHALL NOTIFY THE PROJECT TELEPHONE. THE CONTRACTOR SHALL PROVIDE WRITTEN FOLLO TICATION.	ENGINEER AND THE COU DW-UP CONFIRMATION WIT
	DESI	GNED BY: L. WISEMA
	DRAV SHEE	T CHK'D BY: J. HEAL
	CRO	SS CHK'D BY: J. MILI

REMARKS

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DATE DRWN CHKD

EROSION CONTROL NOTES:

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1. A DETAILED DEWATERING PLAN SHALL BE SUBMITTED TO OWNER AND ENGINEER FOR APPROVAL PRIOR TO START OF CONSTRUCTION. NO DIRECT DISCHARGE OF DEWATERING WILL BE ALLOWED TO THE LAKE OR THE DRAINAGE WELL WITHOUT WRITTEN APPROVAL BY ENGINEER.

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- 2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, AND REGULATIONS GOVERNING POLLUTION OF THE ENVIRONMENT AND SHALL IMPLEMENT ALL MEASURES NEEDED TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL DURING THE ENTIRE DURATION OF CONSTRUCTION. EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO ORANGE COUNTY, SOUTH FLORIDA WATER MANAGEMENT DISTRICT, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. AND FLORIDA DEPARTMENT OF TRANSPORTATION REQUIREMENTS. INSTALLATION OF SILT FENCES AND TURBIDITIY BARRIERS SHALL BE IN ACCORDANCE WITH F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 3. FROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE APPLIED AS A PERIMETER DEFENSE AGAINST THE TRANSPORTATION OF SILT AND SEDIMENTS OFF THE PROJECT SITE OR INTO ADJACENT WATER BODIES OR WETLANDS.
- 4. THE CONTRACTOR SHALL PREPARE AND IMPLEMENT AN EROSION CONTROL PLAN AS PART OF THE SCOPE OF WORK COVERED BY THESE PLANS. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION AND SEDIMENT TRANSPORT DURING CONSTRUCTION. THE FLORIDA DEVELOPMENT MANUAL "A GUIDE TO SOUND LAND & WATER MANAGEMENT" MAY BE USED AS REFERENCE FOR RECOMMENDED BEST MANAGEMENT PRACTICES RELATED TO EROSION AND SEDIMENT CONTROL.
- 5. THE CONTRACTOR SHALL SUBMIT THE EROSION CONTROL PLAN TO THE OWNER FOR APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING.
- 6. ALL EROSION AND SEDIMENT CONTROL MEASURES WHICH ARE NECESSARY TO LIMIT THE TRANSPORT OF SILTS AND SEDIMENTS TO OUTSIDE THE LIMITS OF THE WORK AREA OR TO WATER BODIES OR WETLANDS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE BEST MANAGEMENT PRACTICES AND IMPLEMENT STRUCTURAL MEASURES AS NEEDED TO PREVENT EROSION AND SEDIMENT TRANSPORT FROM THE WORK AREAS. THE FOLLOWING ARE MINIMUM RECOMMENDED GUIDELINES TO BE IMPLEMENTED DURING CONSTRUCTION AS PART OF THE EROSION AND SEDIMENT CONTROL PLAN:

A. STOCKPILING OF MATERIAL

- NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
- B. EXPOSED AREA LIMITATION & PROTECTION THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL BE LIMITED AS NEEDED TO MINIMIZE THE POTENTIAL OF OF OFF-SITE SEDIMENT TRANSPORT. ALL EXPOSED AREAS SHALL BE PROTECTED BY INSTALLING EFFECTIVE EROSION AND SEDIMENT CONTROL MEASURES SUCH AS SILT SCREENS, SYNTHETIC HAY BALES, TURBIDITY BARRIERS, SWALES, OR A COMBINATION OF THESE AND OTHER MEASURES AS WARRANTED.
- C. INLET PROTECTION

INLETS AND CATCH BASINS SHALL BE PROTECTED DURING CONSTRUCTION FROM SEDIMENT LADEN STORMWATER RUNOFF BY PROVIDING A COMBINATION OF SILT SCREENS, SYNTHETIC HAY BALES, FILTER FABRICCOVERS OR OTHER MEASURES AS NECESSARY TO CONTROL THE TRANSPORT OF SEDIMENT.

D. TEMPORARY GRASSING

AREAS OPENED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE DRESSED OR RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED. TEMPORARY SEEDING SHALL BE CONTROLLED AS TO NOT ALTER OR COMPETE WITH PERMANENT GRASSING. SLOPES STEEPER THAN 6:1 SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES OF LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA TO A DEPTH OF 4 INCHES. THE SEEDED OR SEEDED AND MULCHED AREAS SHALL BE ROLLED AND WATERED AS NEEDED TO ENSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. IF AFTER 14 DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% OF GOOD GRASS COVER, THE AREAS WILL BE REWORKED AND ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER.

E. MAINTENANCE

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE ENTIRE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE EROSION AND CONTROL MEASURES ON A ROUTINE BASIS AND FOLLOWING RAINFALL EVENTS AND IMMEDIATELY REPAIR ANY OBSERVED DAMAGED CONTROLS. ALL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.

EARTHWORK ACTIVITIES:

- 1. THE DISPOSAL OF EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. APPROVALS OF DISPOSAL SITES SHALL BE OBTAINED FROM THE ORANGE COUNTY AND JURISDICTIONAL REGULATORY AGENCIES PRIOR TO DISPOSAL. ALL EXCESS MATERIAL IS THE PROPERTY AND RESPONSIBILITY OF THE CONTRACTOR.
- 2. THE CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS WITH UTILITY SUPPLIERS FOR LOCATING, PROTECTING, AND/OR REMOVING THEIR FACILITIES, LINES AND EQUIPMENT. ANY DAMAGE TO KNOWN UTILITY LINES DURING CONSTRUCTION SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE BY CONTRACTOR'S FORCES IN A MANNER ACCEPTABLE TO THE OWNER AND UTILITY COMPANY AT NO COST TO THE OWNER. SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, THE CONTRACTOR SHALL CONSULT WITH UTILITY OWNER AND PROJECT ENGINEER IMMEDIATELY FOR DIRECTIONS. THE CONTRACTOR SHALL COOPERATE WITH OWNER AND UTILITY COMPANIES IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION.
- 3. CONTRACTOR SHALL MAINTAIN ADEQUATE SUPERVISION AND CONTROL TO ENSURE THAT EROSION IS CONTROLLED AND FLOODING OF EXCAVATION OR DAMAGE TO STRUCTURES DOES NOT OCCUR.
- 4. CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS.
- 5. THE CONTRACTOR SHALL SLOPE SIDE SLOPES TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES AND REGULATIONS HAVING JURISDICTION. THE CONTRACTOR SHALL SLOPE AND BRACE WHERE SLOPING IS NOT POSSIBLE BECAUSE OF SPACE RESTRICTIONS OR STABILITY OF MATERIAL EXCAVATED. THE CONTRACTOR SHALL MAINTAIN STABILITY OF MATERIAL EXCAVATED IN A SAFE CONDITION UNTIL COMPLETION OF BACK FILLING.
- 6. ALL FILL MATERIAL IN IMPROVEMENT AREAS SHALL BE COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND REQUIREMENTS AND AS SHOWN ON THESE PLANS.
- 7. UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER AND PRIOR TO THE PLACEMENT OF FILL, THE AREA TO BE FILLED WILL BE PROOF ROLLED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER. ANY AREA SHOWING SIGNS OF PUMPING, WEAVING OR OTHER FORMS OF INSTABILITY SHALL BE SELECTIVELY REMOVED AND REPLACED WITH COMPACTED SELECT FILL.
- 8. ALL DISTURBED AREAS MUST BE SODDED UNLESS OTHERWISE NOTED ON THE PLANS. ALL SODDING MUST BE DONE IN ACCORDANCE WITH SECTION 570 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 9. ALL SOD ON SLOPES EXCEEDING 3:1 MUST BE PINNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL NEWLY PLANTED GRASSES AND VEGETATION UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER.



FL COA No. EB-000002

L. WISEMAN

NOVEMBER 2018

ORANGE COUNTY, FLORIDA HUBBARD ROAD (DW-055) DRAINAGE WELL REHABILITATION

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- TURBID WATER.

- PLANS AND SPECIFICATIONS.

MAINTENANCE OF TRAFFIC NOTES:

GEOTECHNICAL AND TESTING NOTES:

MISCELLANEOUS NOTES:

DRAINAGE NOTES:

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1. THE EXISTING DRAINAGE WELL SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION FROM DEBRIS, SEDIMENT, AND

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2. ALL DRAINAGE WORKS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ORANGE COUNTY CONSTRUCTION SPECIFICATIONS AND OTHER COUNTY GENERAL AND SPECIAL SPECIFICATIONS AND THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, UNLESS STATED OTHERWISE IN THE SPECIFICATIONS OR ON THE PLANS.

3. THE LOCATIONS OF EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR FIFLD LOCATIONS AND FOR ANY RELOCATIONS OF THE VARIOUS EXISTING UTILITIES WITH THE UTILITY OWNERS, WHICH SHALL BE DONE IN A TIMELY FASHION TO MINIMIZE IMPACT ON THE CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE CAUSED THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

4. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY PROBLEMS REQUIRING DEVIATION FROM THESE

5. THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS OF ALL MAJOR ITEMS PROPOSED FOR THIS PROJECT TO THE ENGINEER PRIOR TO ORDERING ANY OF THE ITEMS. UPON THE CONTRACTOR'S RECEIPT OF APPROVED SHOP DRAWINGS FROM THE PROJECT ENGINEER, THE CONTRACTOR MAY PROCEED WITH THE WORK.

6. ALL MATERIALS, INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE ORANGE COUNTY AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WHERE THE SPECIFICATIONS CONFLICT, THE MAXIMUM REQUIREMENTS OF EITHER SPECIFICATION SHALL APPLY.

7. THE PROJECT ENGINEER SHALL BE CONSULTED FOR ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS AND TO GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS.

1. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN STANDARDS.

1. ALL SOIL STRIPPINGS, DELETERIOUS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER OR SPECIFIED ELSEWHERE IN THE PLANS FOR SELECT DISPOSAL. IN NO CASE WILL BURIAL OF DISPOSABLE MATERIAL BE ALLOWED.

1. THE CONTRACTOR SHALL USE EXTREME CAUTION AND CARE TO ENSURE THAT THEIR WORK AREA IS PROTECTED AT ALL TIMES. THE CONTRACTOR SHALL SECURE THEIR WORK AREA AND MATERIALS DURING CONSTRUCTION AND AT THE END OF THE EACH WORK DAY TO PROVIDE FOR THE SAFETY OF ALL PERSONS.

	DATE: LEE WISEMAN PE NO. 43448	
	PROJECT NO. 6059–110780 FILE NAME: GOO1NFNT.DWG	
GENERAL NOTES & SPECIFICATIONS	SHEET NO.	
	G-1	

					DESIGNED BY:	L. WISEMAN	
					DRAWN BY:	C. SCOTT	
					SHEET CHK'D BY:	J. HEALY	
					CROSS CHK'D BY:	J. MILLS	
					APPROVED BY:	L. WISEMAN	101 Mait
NO.	DATE	DRWN	СНКД	REMARKS	DATE:NOV	/EMBER 2018	Tel: FL (

	or Spec#	
		•
DW-055-1	101-1	Mobilization (
DW-055-2	900-1	As Built Plans
DW-055-3	7	Permits
DW-055-4	900-2	Indemnificatio
DW-055-5	102-1	Maintenance
DW-055-6	570-1	Sodding non-p
DW-055-7	COD-1	Precondition e
DW-055-8	COD-2	Furnish, instal
DW-055-9	COD-3	Furnish, instal
DW-055-10	COD-4	Conduct pre- a
Notes:		
COD	_*	Refer to Enginee
Unit Abbreviatio	ons:	
LS = Lump Sum		
SY = Square Yar	d	
LF = Linear Feet		

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	Table 1 - "Base Bid" Hul	bbard Road (DW-055) Drainage Well Rehabilitation Item Description General	Estimated Quantity	Unit			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Aobilization (Not to exco s Built Plans	eed 5% of the total for items DW-	-055-2 thru DW-055-10)	1	LS			
ermits			1	LS			
ndemnification			1	LS			
		Site Preparation					
odding non-pinned (ma	atch existing)		100	SY			
recondition existing 20)-inch diameter steel casing to 37	Drainage Well Rehabilitation 78 feet below land surface for DW-055	378	IF			
urnish, install, and cerr	nent 16-inch diameter steel casir	ng sleeve to 378 feet below land surface for DW-055	378	LF			
urnish, install and oper	rate well development pumping a	and piping, equipment, complete for DW-055	1	LS			
er to Engineer's Specifi	cations						N
						DATE: LEE WISEMAN PE NO. 43448	-
MAN OTT ALY LLS MAN 018 C18 C18 C10 C10 C10 C10 C10 C10 C10 C10 C10 C	≥ 200	ORANGE COUNTY, FLORIDA HUBBARD ROAD (DW-055) DRAINAGE WELL REHABILITATION		SUMN	1ARY OF QUANTITIES	PROJECT NO. 6059-1107 FILE NAME: GO02NFNT.D SHEET NO. G-2	80 VG



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AREA "A" SCALE: 1" = 20'

1 OF 1

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		DESIGNED BY DRAWN BY: SHEET CHK'E CROSS CHK'	C. SCOTT C. SCOTT BY: J. HEALY D BY: J. MILLS
			NOT TO SCALE
			EXISTING DRAIN
	LIMESTONE		
		UPPER FLORIDAN AQUIFER	AVON PARK FORMATION 378'± bls

GENERALIZED

HYDROGEOLOGY

50'± bls

<u>140'± bls</u>

FICIAL JIFER STEM

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LAND SURFACE

UNDIFFERENTIATED

HAWTHORN

GROUP

PLIO-PLEISTOCENE

DEPOSITS

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SAND

CLAY, SAND, ND LIMESTON



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HUBBARD ROAD (DW-055) DRAINAGE WELL REHABILITATION

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