	-
CI	
<u>OI</u> A.	TOPOGRAPHIC BOUNDARY SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION EXISTING UTIL TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTUF PROVIDED BY THE FOLLOWING COMPANY AS CONTRACTORS TO THE OWNER.
	LANDTECH AND ASSOCIATES 61701 A1A SOUTH #316 ST. AUGUSTINE, FLORIDA 32086 CONTACT: NICHOLAS H. FRANKLIN PHONE: 904-471-6877
	MATTHEWS DESIGN GROUP, LLC AND ITS ASSOCIATES WILL NOT BE HELD RESPONSIBLE FOR THE ACC
B.	ADDITIONAL PROJECT INFORMATION HAS BEEN PROVIDED BY THE FOLLOWING SUB-CONSULTANT AS O OWNER: JACKSON GEOTECHNICAL ENGINEERING GEOTECH 164 PLAZA DEL RIO DRIVE
	ST. AUGUSTINE, FL, 32084 CONTACT: JEFF JACKSON PHONE: (904)-252-2292
C.	THE GENERAL CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER OF ANY DISCREPANCIES BETWEEN FIELD VERIFICATION OF INFORMATION ABOVE OR BELOW GROUND THAT MAY BE CRITICAL TO THE DES THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUT AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION OF THIS PROJECT
D.	WARRANTY / DISCLAIMER: THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPEC THE ENGINEER IS INVOLVED WITH THE PHYSICAL CONSTRUCTION ON AN ONGOING BASIS AT THE SITE. MATTHEWS DESIGN GROUP (MDG) IS THE PROJECTS ENGINEER OF RECORD (EOR). MDG IS NOT A GEN UTILITY CONTRACTOR, SITE CONTRACTOR, OR ANY OTHER TYPE OF CONTRACTOR.
E.	SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS PERFORMANCE OF WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO N HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON OR NEAR THE
F.	<u>CONSTRUCTION TESTING:</u> CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, TESTING, LABORATORY ANALYSES, R CONCERNING SOILS AND PAVEMENT RELATED DESIGN REQUIREMENTS AND SPECIFICATIONS AS SET F
G.	AS-BUILT SURVEY NOTE: UPON COMPLETION OF CONSTRUCTION, CONTRACTOR IS REQUIRED TO PROVIDE OWNER / ENGINEER SEALED AS-BUILT SURVEY AND ANY OTHER RELATED CONSTRUCTION DOCUMENTS, IN ACCORDANCE PERMITTING AGENCY REQUIREMENTS, AS THE BASIS FOR PROJECT CERTIFICATIONS AND CLOSE-OUT.
H.	<u>RIGHT-OF-WAY:</u> ANY AND ALL WORK CONDUCTED WITHIN THE CITY OF ST. AUGUSTINE BEACH RIGHT-OF-WAYS MUST B THE APPLICABLE LAND DEVELOPMENT CODES.
I.	PRE-CONSTRUCTION MEETING: IT IS THE RESPONSIBILITY OF THE APPLICANT TO SCHEDULE A PRE-CONSTRUCTION / PRE PERMIT ISSU CITY OF ST. AUGUSTINE BEACH STAFF AFTER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY T TO STARTING ANY SITE ACTIVITIES. THE PRE-CONSTRUCTION MEETING WILL BE HELD IN CONJUNCTIO MANDATORY PRE-CONSTRUCTION MEETING. HOWEVER, IF THE PROJECT FALLS OUTSIDE OF COSAB J CALL CITY OF ST. AUGUSTINE BEACH TO SCHEDULE MEETING.
J.	ALL ELEVATIONS SHOWN HEREIN ARE REFERENCED TO NORTH AMERUIACN GEODETIC VERTICAL DATIONS

# **CONSTRUCTION PLANS FOF A STREET PARKIN(** YOF ST. AUGUSTINE BEA

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COSTS, ETC., THESE PLANS.

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NAVD 88).



**OWNER:** CITY OF ST. AUGUSTINE BEACH 2200 A1A SOUTH ST. AUGUSTINE BEACH, FL 32080 PHONE: (904) 471-1119 CONTACT: WILLIAM TREDIK, P.E.



PERMITS / APPROVALS ST. JOHNS COUNTY ST JOHNS RIVER WATER MANAGEMENT DISTRICT CITY OF SAINT AUGUSTINE BEACH

SUBMITTED RECEIVED

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Sheet List Table

verified on any electronic copies.

This item has been digitally signed and sealed by Fred R. Jones, Jr. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be

Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL NOTES
3 - 4	SURVEY
5	DEMOLITION PLAN
6	SITE PLAN
7	GRADING AND DRAINAGE PLAN
8	LANDSCAPE PLAN
9	LANDSCAPE SPECIFICATIONS AND DETAILS
10 - 11	CONSTRUCTION DETAILS
12	MOT PLAN
13	SWPPP

ST. JOHNS RIVER WATER MANAGEMENT	ST. JOHNS COUNTY DEVELOPMENT
DISTRICT	SERVICES
7775 BAYMEADOWS WAY, SUITE 102	4040 LEWIS SPEEDWAY
,	
JACKSONVILLE, FLORIDA 32256	ST. AUGUSTINE, FLORIDA 32084
(904) 730-6270	(904) 209-0660
<u>FDOT</u>	CITY OF ST. AUGUSTINE PUBLIC WORKS
3600 DOT ROAD	P.O. DRAWER 21
ST. AUGUSTINE, FLORIDA 32004	ST. AUGUSTINE, FLORIDA 32065
(904) 825-5026	(904) 209-4273
(004) 020 0020	(004) 200 4210

FLOOD CERTIFICATION: THIS SITE IS SHOWN IN FLOOD ZONE "X" AS DESIGNATED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 12109C0382J, FOR CITY OF ST. AUGUSTINE BEACH, FLORIDA, EFFECTIVE DECEMBER 7, 2018. OF 13

# GINEER JR., P.E. 614 atte adjacent to

- REGISTERED EN FRED R. JONES , CA#26535 FL.#42										
REVISIONS	TE DESCRIPTION	2023 REVISED PER SJC COMMENTS								
	O. DA	1 07/31/		1						
NBY: SAK	ABY: M.IM N		FRJ	= 07-05-2023		<sup>No.:</sup> 22036				
P.O. BOX 3126, 7 WALDO STREET ST. AUGUSTINE, FL 32084 PHONE: 904.826.1334 • FAX: 904.826.4547 INFO@MDGINC.COM										
COVER SHEET		A STREET PARKING		CII Y OF SI. AUGUSTINE BEACH	PREPARED FOR	CITY OF ST. AUGUSTINE BEACH				
SHEE	T No	.:	1							

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	$\frac{\text{GI}}{1.}$	ENERAL SITE NOTES: ALL WORK AND MATERIALS SHALL BE IN COMPLETE ACCORDANCE WITH ALL RELATIVE SECTIONS OF CITY OF ST.	17.	ALL DRAINAGE PIPE JOII
	2.	AUGUSTINE BEACH LAND DEVELOPMENT CODE, (LATEST REVISION) AND ALL COSAB STANDARD DETAILS.	18.	ALL INVERTS IN DRAINAG
		FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES OF THEIR EMPLOYEES, AND FOR ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH OSHA REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTORS BID.	19.	THE CONTRACTOR SHAI RAMPS SHALL MEET ALL
	3.	PRIOR TO CONSTRUCTION, THE SITE CONTRACTOR SHALL VERIFY ALL SURVEY CONTROL POINTS AS PROVIDED IN THE BOUNDARY SURVEY. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES.	20. 21.	IF DEWATERING CAPACI
	4. 5.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING THEMSELVES WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUB-SURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THE CONSTRUCTION CONTRACT. THE CONTRACTOR IS ALSO URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF OR WITHIN THE PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN RESOLVING POSSIBLE FUTURE ISSUES THAT MAY OCCUR DUE TO THE CONSTRUCTION OF THE PROJECT.	22.	ALL DRAINAGE PIPES IN TELEVISED BY A COMPA REQUIREMENT MAY ONL THAT THE SITE DOES NO ANY CONNECTION OR R POND, OR STRUCTURE, AND SHALL BE OF SUCH ALIGNMENT. A VIDEO TA DRAINAGE LINES SHALL WEARING SURFACE OF
		REMOVAL AND/OR TO ESTIMATE THE AMOUNT OF OFF SITE BORROW THAT WILL BE REQUIRED. FAILURE OF THE CONTRACTOR TO IDENTIFY/QUANTIFY THE AMOUNT OF UNSUITABLE MATERIAL TO BE REMOVED AND REPLACED DURING THE BID PROCESS WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THE CONSTRUCTION CONTRACT.	23.	REVIEWED AND CERTIFI PLEASE BE AWARE THAT UNDER THE JURISDICTIO
	6. 7.	ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE DEVELOPER AND CITY OF ST. AUGUSTINE BEACH FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER AND CITY OF ST. AUGUSTINE BEACH. FOR BOUNDARY, ROADWAY, AND BUILDING GEOMETRY INFORMATION SEE ENGINEERING SITE PLAN. IT IS THE		COMPOSITE MATERIAL A INSERTS ARE TO BE COL CONCRETE SURFACE AL CONFORM TO FLORIDA I THROUGH 8, AND 28 COL APPLICABLE COSAB REC
	8	AGREES WITH THE DIMENSIONS SHOWN ON THE ARCHITECTURAL PLAN. IF ANY DIMENSIONS DO NOT AGREE, THE ARCHITECT, ENGINEER, AND OWNER SHALL BE NOTIFIED AND THE DIMENSIONS ADJUSTED PRIOR TO COMMENCING WITH CONSTRUCTION.	24.	ALL SIDEWALKS AND CU DESIGNED AND CONSTR PART 36, APPENDIX A, C REQUIREMENTS.
	0.	INDEPENDENT TESTING LABORATORY TO PERFORM MATERIAL TESTING AND SOIL TESTING IN ACCORDANCE WITH COSAB REQUIREMENTS. THIS SHALL INCLUDE DENSITY TESTS IN ALL PAVEMENT AREAS AND IN ALL UTILITY TRENCHES LOCATED IN PAVEMENT AREAS, CONCRETE TESTING AND ALL OTHER MATERIAL TESTING, PRIOR TO LIMEROCK PLACEMENT, THE PROJECT GEOTECHNICAL ENGINEER SHALL MAKE RECOMMENDATION FOR UNDERDRAIN PLACEMENT.	25.	PRIOR TO INSTALLATION CALCULATE ALL CROSSI ENGINEER WILL BE HELL
	9.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE REQUIRED FOR THE PROJECT INCLUDING CITY OF ST. AUGUSTINE BEACH RIGHT-OF-WAY PERMITS FOR WORK IN THE COSAB RIGHT-OF-WAY OR EASEMENT.	26.	THE CONTRACTOR IS SE SHOWN ON THESE PLAN THE FIELD WHEN POSSII COMPLETE. THE CONTR EXCAVATION TO REQUE
	10.	THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.	27.	UNLESS OTHERWISE IN "B", AS SHOWN ON SHEE SHOWN ON SHEET ####.
	11.	THE LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND IMPROVEMENTS SHOWN ON THE DRAWINGS IS BASED ON LIMITED INFORMATION AND MAY NOT HAVE BEEN FIELD VERIFIED. THE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY RESPECTIVE UTILITY OWNERS AND FIELD VERIFY LOCATIONS OF EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO COMMENCING ANY CONSTRUCTION. IF THE LOCATIONS SHOWN ARE CONTRARY TO THE ACTUAL LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF THE	28.	POND SLOPES AS SHOW GROUNDWATER SEEPAG THE SLOPES TO MEET T ISSUES SO THAT ENGINE
		DISCREPANCY. THIS DISCREPANCY SHOULD BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS NEAR EXISTING UTILITIES AND IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR AND SHALL REPAIR OR PAY FOR ALL DAMAGE MADE TO EXISTING UTILITIES OR OTHER IMPROVEMENTS. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL GRADES, INVERTS AND TYPE OF MATERIAL OF EXISTING UTILITIES TO WHICH THEY SHALL CONNECT. AND NOTICE THE OWNER AND ENGINEER OF ANY DISCREPANCIES	29. GF	ALL STORM PIPE ON THI FOR SIDE DRAIN, STORM AASHTO MP21-11.
	12.	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE CIVIL ENGINEER TO DETERMINE IF THIS PROJECT IS WITHIN THE COSAB'S JURISDICTION FOR INSPECTION. IF SO, THEN IT SHALL BE THE CONTRACTOR'S	1. 2.	ALL STRIPING SHALL CO MATCH EXISTING PAVEN
	12	RESPONSIBILITY TO CONTACT THE COSAB FOR A PRE-CON MEETING FOR INSPECTIONS.	3.	SIGNS SHALL BE PLACE
	13.	DAYTIME HOURS AND PROVIDE MITIGATION TO NOISE FROM PUMPS IF 24 HOUR DEWATERING ACTIVITIES ARE REQUIRED.	4.	SIGN ASSEMBLY LOCATI CURB CUTS, ETC. SHALL
	14.	THE BUILDING FOOTPRINTS SHOWN HEREON ARE APPROXIMATE. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.	5.	EXISTING SIGNS TO BE F AREA AND RETURNED T
	15.	ALL STOP SIGNS SHALL BE FINISHED WITH DIAMOND GRADE HIGH REFLECTIVITY SURFACE.	6.	COST FOR SIGNING AND
	16. PA	ALL STOP BARS SHALL BE THERMO-PLASTIC MATERIAL.	<u>GE</u> 1	ALL LITUITIES SHALL RE
	1.	"AS-BUILT" DRAWINGS - DRAINAGE AS-BUILTS PROVIDED TO CITY OF ST. AUGUSTINE BEACH AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT ARE REQUIRED TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR. THEREFORE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A LAND SURVEYOR	2.	DEMOLITION PLANS (SHI THE CONTRACTOR IS RE
		REGISTERED IN THE STATE OF FLORIDA FOR THE PREPARATION, FIELD LOCATIONS, CERTIFICATION AND SUBMITTAL OF "AS-BUILT" DRAWINGS IN ACCORDANCE WITH CURRENT CITY OF ST. AUGUSTINE BEACH STANDARDS AND SPECIFICATIONS AND SJRMWD REGULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCESS THE AS-BUILT DRAWINGS FOR APPROVAL BY CITY OF ST. AUGUSTINE BEACH. IN ADDITION TO THE DRAINAGE SYSTEM THE "AS-BUILTS" SHALL SHOW THE ELEVATIONS AND LOCATION OF THE TOP OF BANK, WATER LEVEL, ANY POINTS	<u>ER</u> 1.	CONSTRUCTION. ABANE REQUIREMENTS SET FO OSION CONTRO NO CONSTRUCTION ACT
		OF CHANGE IN SLOPE, TOE OF SLOPE AND POND BOTTOM AT 100' MAXIMUM INTERVALS ALONG POND BANK FOR ALL POND CONSTRUCTION. ALL DIMENSIONS AND ELEVATIONS ON THE CONTROL STRUCTURE DETAILS SHALL BE SHOWN ON AS-BUILT DRAWINGS.	2	STOCKPILING OF ANY EA WRITTEN CONSENT BY T
	2.	ALL AREAS SHOWN TO BE FILLED SHALL BE CLEARED AND GRUBBED IN ACCORDANCE WITH CITY OF ST. AUGUSTINE BEACH STANDARDS AND SHALL BE FILLED WITH CLEAN STRUCTURAL FILL COMPACTED AND TESTED IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION REPORT.	3.	DEMOLITION OF ANY SIT
	3.	CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT.	1	PROJECT AND SHALL NO AND VEGETATION HAVE
	4.	ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR.	4.	SITE(S).
	5. 6.	ALL EXCESS SUITABLE AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT HIS EXPENSE UNLESS DIRECTED OTHERWISE BY ENGINEER OR OWNER. ALL EXISTING TREES TO REMAIN SHALL BE PRESERVED AND PROTECTED.	5.	THE CONTRACTOR IS RE OR DEBRIS AS A RESULT DRAIN WILL OCCUR FRO SYSTEM WHERE SEDIME
I	7.	BURNING OF TREES, BRUSH, AND OTHER MATERIAL SHALL BE APPROVED, PERMITTED, AND COORDINATED WITH CITY OF ST. AUGUSTINE BEACH FIRE MARSHAL.	6.	RAIN DAYS CLAIMED BY MAINTENANCE OF ALL S
	8.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF SOD AND/OR GRASS PER CITY OF ST. AUGUSTINE BEACH STANDARDS AND MEETING THE NPDES FINAL STABILIZATION REQUIREMENTS.	7.	ALL SEDIMENT COLLECT PROPERLY CONTAINED
	9.	UNSUITABLE MATERIALS UNDER WATER PIPE, SEWER PIPE, STORM PIPE, OR STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL, PROPERLY COMPACTED AT CONTRACTOR'S EXPENSE.	<u>GE</u> 1.	<u>ENERAL LANDSC</u> LOCATE ALL UTILITIES A
	10.	THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN COSAB OR STATE RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION AND REPAIR.	2.	NOTIFY LANDSCAPE ARC ANY PLANTING.
	11.	ALL CLEARING AND GRUBBING REQUIRED FOR ALL ROADWAY, UTILITIES, DITCHES, BERMS, AND BUILDINGS INCLUDED IN THIS PROJECT AND THE CLEARING AND GRUBBING OF ALL RIGHT-OF-WAY OR EASEMENTS SHALL BE CONSIDERED AS PART OF THIS PROJECT.	3. 4.	FERTILIZE ALL PLANTS A
	12.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A DEWATERING PERMIT FROM THE SJRWMD.		"GRADES AND STANDAR CONSUMER SERVICES C STOCK", AMERICAN NAT
	13.	PRIOR TO ANY DISCHARGE OF GROUND WATER (DEWATERING) FROM CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT TO WATERS OF THE STATE (INCLUDING, BUT NOT LIMITED TO, WETLANDS, CREEKS, SWALES AND MUNICIPAL STORM SEWERS), THE CONTRACTOR SHALL TEST THE EFFLUENT (WATER TO BE DISCHARGED) IN ACCORDANCE WITH RULE 62-621.300(2), F.A.C. IF THE TEST RESULTS ON THE EFFLUENT ARE BELOW THE SCREENING VALUES OF RULE 62-621.300(2), F.A.C., THE CONTRACTOR SHALL SUBMIT A SUMMARY OF THE PROPOSED CONSTRUCTION ACTIVITY AND THE TEST RESULTS TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DISTRICT OFFICE, WITHIN ONE (1) WEEK AFTER DISCHARGE BEGINS. THE CONTRACTOR SHALL	5.	REMOVE ALL DEAD WOO SOCIETY OF ARBORICUL ARBORIST SHALL CONT/ OFF-SITE LOCATION. FO Z133.1 GUIDELINES.
		CONTINUE TO SAMPLE THE EFFLUENT AS REQUIRED THROUGHOUT THE PROJECT AND COMPLY WITH ALL CONDITIONS OF RULE 62-621.300(2), F.A.C. IF THE GROUND WATER EXCEEDS THE SCREENING VALUES OF RULE 62-621.300(2), F.A.C., THE CONTRACTOR SHALL COMPLY WITH OTHER APPLICABLE RULES AND REGULATIONS PRIOR	6. 7.	TREES SHALL HAVE A M
	14.	TO DISCHARGE OF THE EFFLUENT (GROUND WATER) TO SURFACE WATERS OF THE STATE. ALL PIPE LENGTHS ARE SCALED DIMENSIONS, MEASURED FROM CENTER OF STRUCTURE TO END OF MITERED END	Ø	PLAN. IF DISTURBED ARI MATERIAL OR BETTER. I
		SECTIONS. STRUCTURES WITHIN FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT STANDARDS. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO CONFORM WITH COSAB REQUIREMENTS AND SHALL BE CONSTRUCTED TO CONFORM WITH CURBING, PROPERTY LINES, AND LOW POINTS AS SHOWN ON THE PLANS.	o. 9.	BALLED AND BURLAPPEI
	15.	CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEAN AND FUNCTIONING PROPERLY AT TIME OF ACCEPTANCE.	10.	TREES SHALL NOT BE PL
I	16.	ALL DRAINAGE STRUCTURES SHALL HAVE TRAFFIC BEARING GRATES.		

# PIPE JOINTS ARE TO BE FILTER-WRAPPED.

DRAINAGE STRUCTURES TO BE PRECAST OR BRICK WITH LAYER OF MORTAR BETWEEN EACH

- K, OR REDDI-MIX CONCRETE WITH #57 STONE. OR SHALL PROVIDE HANDICAP RAMPS AT ALL SIDEWALK AND CURB CONNECTIONS. HANDICAP MEET ALL APPLICABLE ADA REQUIREMENTS.
- UND UTILITIES MUST BE INSTALLED PRIOR TO PREPARATION OF SUBGRADE FOR PAVEMENT. CAPACITY REQUIRES A CONSUMPTIVE USE PERMIT (C.U.P.), IT SHALL BE THE CONTRACTOR'S
- TO OBTAIN THE PERMIT THROUGH THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.

PIPES INSTALLED WITHIN ROADWAY RIGHT-OF-WAYS/EASEMENTS (PUBLIC OR PRIVATE) SHALL BE COMPANY OR INDIVIDUAL CERTIFIED TO PERFORM SUCH WORK PER LDC 6.04.07.L.5.G. THIS /AY ONLY BE WAIVED ON COMMERCIAL SITES IF THE ENGINEER OF RECORD CERTIFIES BY LETTER DOES NOT RECEIVE ANY RUNOFF FROM CITY OF ST. AUGUSTINE BEACH RIGHT-OF-WAYS. IF THERE IS ON OR RELATIONSHIP BETWEEN THE PROJECT SITE AND A COSAB OWNED OR MAINTAINED DITCH, ICTURE, IT SHALL BE REQUIRED. THIS TELEVISING OF THE DRAINAGE LINE SHALL BE DONE IN COLOR OF SUCH QUALITY AS TO VISUALLY IDENTIFY THE PROPER CONSTRUCTION OF ALL JOINTS AND PIPE IDEO TAPE SHALL BE PROVIDED TO THE COSAB UPON COMPLETION. THE TELEVISING OF THE S SHALL BE PERFORMED AFTER THE PLACEMENT OF THE BASE MATERIAL AND PRIOR TO THE FINAL ACE OF THE ROADWAY. THE APPROVAL, BY THE COSAB, OF THE TELEVISING SHALL BE REQUIRED PLACEMENT OF THE FINAL WEARING SURFACE OF THE ROADWAY. TELEVISED RECORD SHALL BE CERTIFIED BY THE ENGINEER OF RECORD (EOR).

ARE THAT ALL DETECTABLE WARNING SURFACES FOR SIDEWALK AT CURB CUT HANDICAP RAMPS ISDICTION OF CITY OF ST. AUGUSTINE BEACH SHALL BE A COSAB APPROVED YELLOW COLORED. TERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA ) BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH RFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL ORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS INDEX 522-002. SHEETS 1 D 28 CODE OF FEDERAL REGULATIONS (CFR) PART 36, APPENDIX A LATEST REVISION, AS WELL AS SAB REQUIREMENTS.

AND CURB CUT RAMPS UNDER THE JURISDICTION OF CITY OF ST. AUGUSTINE BEACH SHALL BE CONSTRUCTED TO CONFORM TO FDOT STANDARD PLANS INDEX 522-002 AND 522-001; AND TITLE 28, IDIX A, CODE OF FEDERAL REGULATIONS (CFR) LATEST REVISION, AS WELL AS MEETING ALL ADA

ALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CROSSINGS AND INFORM THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE BE HELD HARMLESS IN THE EVENT THE HE/SHE IS NOT NOTIFIED OF DESIGN CONFLICTS.

OR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES, AND MEASUREMENTS TAKEN IN N POSSIBLE. THE INFORMATION SHOWN HEREON, IS NOT BE RELIED ON AS BEING EXACT OR E CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.

NISE INDICATED ALL STORM SEWER SHALL BE BEDDED IN ACCORDANCE WITH DETAIL GD15 TYPE ON SHEET ####. UNLESS CONDITIONS IN THE FIELD DICTATE THE USE OF TYPE "A" BEDDING, AS

S SHOWN ARE THE MAXIMUM ALLOWABLE SLOPE. IF SITE CONDITIONS OR OTHER ISSUES, SUCH AS SEEPAGE CAUSE SLOPE FAILURE, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO CORRECT MEET THE INTENT OF THE DESIGN. CONTRACTOR IS TO NOTIFY ENGINEER IMMEDIATELY OF THESE ENGINEER MAY ASSIST WITH THE CORRECTIVE ACTION.

ON THIS PLAN SET, MUST MEET THE FOLLOWING STANDARDS: PP PIPE (12 INCHES TO 60 INCHES) , STORM DRAIN, AND OTHER SPECIFIED APPLICATIONS SHALL MEET THE REQUIREMENTS OF

# NING & MARKING NOTES:

HALL CONFORM TO CITY OF ST. AUGUSTINE BEACH AND/OR FDOT SPECIFICATIONS. IG PAVEMENT MARKINGS AT THE BEGINNING AND ENDING OF PROJECT AND ALL SIDE STREETS.

PLACED IN ACCORDANCE WITH INDEX NO. 700-010, AND 700-101.

LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, C. SHALL BE ADJUSTED AS DIRECTED BY ENGINEER.

- TO BE REMOVED SHALL BE DELIVERED AND STOCKPILED ON SITE IN THE MATERIALS STORAGE RNED TO THE OWNER.
- ING AND MARKING, IF ANY, SHALL BE INCLUDED IN THE COSTS FOR PAVEMENT.

# MOLITION NOTES:

- HALL REMAIN IN PLACE AND UNHARMED UNLESS SPECIFICALLY INDICATED OTHERWISE BY THE ANS (SHEETS #### - ####).
- FOR IS RESPONSIBLE FOR PROPERLY ABANDONING WELLS OR SEPTIC SYSTEMS FOUND DURING ABANDONMENT SHALL BE IN ACCORDANCE WITH ALL COSAB, STATE REGULATIONS, PER THE SET FORTH IN THE F.A.C.

# NTROL NOTES:

- ION ACTIVITY INVOLVING EXCAVATION, DENUDING OR DEMOLITION OF ANY SITE SURFACE OR ANY EARTHEN OR AUDIBLE MATERIALS SHALL BEGIN WITHOUT AN APPROVED PLAN AND/OR ENT BY THE CITY OF ST. AUGUSTINE BEACH PUBLIC WORKS
- FOR SHALL ESTABLISH ALL EROSION CONTROL MEASURES PRIOR TO EXCAVATION, DENUDING OR ANY SITE SURFACE OR STOCKPILING OF ANY EARTHEN OR ERODIBLE MATERIALS.
- TOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE DEVELOPMENT OF THE HALL NOT REMOVE ANY EROSION CONTROL MEASURE UNTIL ALL CONTRIBUTING SITE SURFACES ON HAVE BEEN ESTABLISHED AND STABILIZED.
- FOR SHALL PERFORM DAILY CLEAN UP OF ALL SEDIMENT AND DEBRIS WHICH LEAVES THE PROJECT
- OR IS RESPONSIBLE FOR CLEANING ALL COSAB STORM DRAIN SYSTEMS WHICH RECEIVE SEDIMENT RESULT OF CONSTRUCTION, STOCKPILING OR DISPOSAL ACTIVITIES. CLEANING OF THE STORM CUR FROM THE POINT OF INTERCEPT TO THE OUTFALL OF THE SYSTEM OR TO A POINT WITHIN THE
- SEDIMENT OR DEBRIS IS NO LONGER PRESENT. MED BY THE CONTRACTOR, DO NOT EXCUSE THE CONTRACTOR OF DAILY INSPECTION AND
- OF ALL SITE EROSION CONTROL MEASURES AND CLEANUP.
- COLLECTION SYSTEMS MUST BE MUCKED OUT WHEN 1/3 FULL, MUCKED SEDIMENT MUST BE TAINED AND DISPOSED.

# NDSCAPE NOTES:

- LITIES AND SITE LIGHTING CONDUITS BEFORE LANDSCAPE CONSTRUCTION BEGINS.
- CAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES PRIOR TO
- PLANTS AT THE TIME OF PLANTING WITH TIME RELEASE FERTILIZER.
- L SHALL CONFORM TO THE STANDARDS FOR GRADE #1 OR BETTER AS GIVEN IN THE LATEST TANDARDS FOR NURSERY PLANTS, PARTS I AND II", FLORIDA DEPARTMENT OF AGRICULTURE AND RVICES OR TO THE STANDARDS AS GIVEN IN THE LATEST "AMERICAN STANDARD FOR NURSERY AN NATIONAL STANDARDS INSTITUTE.
- EAD WOOD AND PRUNE TREES ACCORDING TO THE PRUNING GUIDELINES BY THE INTERNATIONAL BORICULTURE, 1995 EDITION. IF ARBORIST BELIEVES A LIMB SHOULD NOT BE REMOVED THE L CONTACT THE LANDSCAPE DESIGNER. REMOVE ALL DEBRIS FROM THE SITE TO AN APPROVED TION. FOLLOW THE "AMERICAN NATIONAL STANDARDS FOR TREE CARE OPERATIONS" AND ANSI
- AVE A MINIMUM HEIGHTS OF (8) EIGHT TO (10) TEN FEET AND (2) TWO INCHES OF CALIPER.
- AREAS MUST BE STABILIZED BY MEANS OF MULCH, SEEDING, OR SOD AS CALLED OUT ON THIS RBED AREA IS OUTSIDE OF THE LIMITS OF THIS PLAN, AREAS MUST BE STABILIZED WITH EXISTING ETTER. I.E. SEEDING OR SODDING.
- AT EXCEEDS TWENTY-FIVE (25) FEET IN HEIGHT AT MATURITY SHOULD NOT BE PLANTED CLOSER FEET OF THE VERTICAL PLANE OF AN EXISTING POWER LINE, EXCLUDING SERVICE WIRES.
- RLAPPED STRAPPING WIRE, AND ANY SYNTHETIC MATERIAL SHALL BE REMOVED PRIOR TO FINAL RE BASKETS SHOULD BE PULLED AWAY FROM THE TRUNKS. WIRE BASKETS SHOULD BE CUT AWAY P 1/3 OF THE ROOT BALL
- OT BE PLANTED CLOSER THAN TEN (10) FEET FROM OTHER TREES UNLESS APPROVED BY THE TRATOR. CANOPY TREES SHOULD BE SPACED A MINIMUM OF 20' TO 30'.

- 11. A MULCH RING OF PINE STRAW OR PINE BARK SHALL BE PROVIDED AT LEAST FIVE (5) FEET IN DIAMETER AND NOT CLOSER THAN SIX (6) INCHES FROM THE TREE TRUNK, FOR ALL NEWLY PLANTED TREES.
- 12. PINE STRAW OR PINE BARK MULCH SHALL BE PROVIDED A MINIMUM OF FOUR (4) INCHES OF DEPTH AROUND ALL NEWLY PLANTED LANDSCAPING.
- 13. SHRUB LINES ARE TO BE PLANTED AT THE REQUIRED MINIMUM HEIGHT, NOT BY A CONTAINER SIZE.
- 14. SOIL IN TREE ISLANDS SHALL HAVE AT LEAST 12" OF SUITABLE SOIL FOR TREE PLANTINGS, AND BE VOID OF ANY CONSTRUCTION DEBRIS OR UNSUITABLE MATERIAL.
- 15. IRRIGATION SHALL BE PROVIDED WITH AN AUTOMATIC IRRIGATION SYSTEM FOR ALL NEWLY PLANTED MATERIAL. UNLESS AN ALTERNATE MEANS IS APPROVED, ALL TREES SHALL BE IRRIGATED BY BUBBLER TYPE EMITTERS. 16. TREES SHALL NOT BE PLANTED CLOSER THAN 7.5' FROM THE CENTERLINE OF UNDERGROUND UTILITIES.
- 17. UNLESS OTHERWISE SPECIFIED, NO HIGH VOLUME IRRIGATION IS PROPOSED ON THESE PLANS.
- 18. UNLESS OTHERWISE SPECIFIED, ALL SOD SHALL BE BAHIA.
- ROW IMPROVEMENT NOTES:
- . ALL EXISTING UTILITIES ARE TO BE ADJUSTED TO FINAL GRADE.
- 2. CONTRACTOR SHALL REMOVE ANY CONFLICTING STRIPING.

GENERAL FDOT DRIVEWAY CONNECTION NOTES: ALL WORK PERFORMED WITHIN THE DEPARTMENT RIGHT-OF-WAY SHALL CONFORM TO THE MOST CURRENT EDITION OF THE FOLLOWING PUBLICATIONS:

- A. STANDARD PLANS
- B. STANDARD SPECIFICATIONS C. FDOT DESIGN MANUAL
- D. FDOT FLEXIBLE PAVEMENT DESIGN MANUAL E. FDOT UTILITY ACCOMMODATION MANUAL

(SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS THE ENGINEER/APPLICANT SHALL IMMEDIATELY CONFER WITH THE DEPARTMENT'S ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY)

- 2. ALL TRAFFIC STRIPING AND MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMO PLASTIC.
- 3. REMOVAL OF EXISTING STRIPING SHALL BE ACCOMPLISHED USING THE "HYDRO-BLAST" METHOD. IF THIS PROCESS DAMAGES / SCARS PAVEMENT, THEN THE PAVEMENT SHALL BE MILLED AND RESURFACED PER FDOT STANDARDS.
- 4. ALL DIRECTIONAL ARROWS SHALL BE PLACED AS ONE SEGMENT.
- 5. ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT MARKINGS AT PAVEMENT MARKING LIMITS OF CONSTRUCTION.
- 6. ALL CURB AND GUTTER AND SIDEWALK, WILL BE REMOVED AND REPLACED JOINT TO JOINT.
- 7. ALL BROKEN / CRACKED DRIVEWAYS MUST BE FULLY REMOVED AND REPLACED.
- 8. ALL DISTURBED AREAS WITHIN THE DEPARTMENT'S RIGHT-OF-WAY WILL BE RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING THE AREA DISTURBED (BERMUDA IN URBAN, BAHIA IN RURAL).
- 9. BURNING OF ANY MATERIAL OR DEBRIS IS PROHIBITED IN FDOT RIGHT OF WAY.
- 10. ALL LANES MUST BE OPENED FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT.
- GENERAL FIRE PROTECTION NOTES:
- 1. FIRE PROTECTION FOR THE PURPOSE OF THESE PLANS IS ANY UNDERGROUND WATER LINE NOT OWNED AND MAINTAINED BY A PUBLIC UTILITY AS WELL AS ANY PRIVATE FIRE SERVICE MAIN AND PIPE AND ITS APPURTENANCES ON PRIVATE PROPERTY (1) BETWEEN A SOURCE OF WATER AND THE BASE OF THE SYSTEM RISER FOR WATER-BASED FIRE PROTECTION SYSTEMS, (2) BETWEEN A SOURCE OF WATER AND INLETS TO FOAM-MAKING SYSTEMS, (3) BETWEEN A SOURCE OF WATER AND THE BASE ELBOW OF PRIVATE HYDRANTS OR MONITOR NOZZLES AND (4) USED AS FIRE PUMP SUCTION AND DISCHARGE PIPING, (5) BEGINNING AT THE INLET SIDE OF THE CHECK VALVE ON A GRAVITY OR PRESSURE TANK.
- 2. THIS SHALL ALSO APPLY TO COMBINED SERVICE MAINS USED TO CARRY WATER FOR FIRE SERVICE AND OTHER USES. I.E. DOMESTIC.
- 3. STANDARDS TO BE REFERENCED ARE TO BE THE MOST CURRENT AS ADOPTED BY THE FLORIDA FIRE PREVENTION
- NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS & THEIR APPURTENANCES NFPA 20, STANDARD FOR INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
- NFPA 22, STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION NFPA 16, STANDARD ON DELUGE FOAM-WATER SPRINKLER & FOAM-WATER SPRAY SYSTEMS
- NFPA 1963 STANDARD FOR FIRE HOSE CONNECTIONS
- 4. ITEMS ON THE CONSTRUCTION PLANS SHALL INCLUDE BUT NOT LIMITED TO SCALE DRAWINGS AND DETAILS AND TO INCLUDE THE FOLLOWING ITEMS WHEN THEY ARE APPLICABLE TO THE SYSTEM BEING INSTALLED:
- A. NAME OF OWNER AND OCCUPANT. B. LOCATION, INCLUDING STREET ADDRESS.
- POINT OF COMPASS.
- D. A GRAPHIC REPRESENTATION OF THE SCALE USED ON ALL PLANS. NAME AND ADDRESS OF CONTRACTOR.
- SIZE AND LOCATION OF ALL WATER SUPPLIES.
- G. SIZE AND LOCATION OF ALL PIPING, INDICATING, WHERE POSSIBLE, THE CLASS AND TYPE AND DEPTH OF EXISTING PIPE, THE CLASS AND TYPE OF NEW PIPE TO BE INSTALLED, AND THE DEPTH TO WHICH IT IS TO BE BURIED.
- H. SIZE, TYPE, AND LOCATION OF VALVES. INDICATE IF LOCATED IN PIT OR IF OPERATION IS BY POST INDICATOR OR KEY WRENCH THROUGH A CURB BOX.
- LOCATION OF FIRE DEPARTMENT CONNECTIONS, IF PART OF PRIVATE FIRE SERVICE MAIN SYSTEM, INCLUDING DETAIL OF CONNECTIONS.
- J. SPRINKLER AND STANDPIPE RISERS AND MONITOR NOZZLES TO BE SUPPLIED BY THE SYSTEM.
- K. LOCATION OF FIRE DEPARTMENT CONNECTIONS, IF PART OF PRIVATE FIRE SERVICE MAIN SYSTEM, INCLUDING DETAIL OF CONNECTIONS.
- ALL COMPONENTS MUST HAVE LISTING WITH FIRE PROTECTION PER NFPA 24. M. ALL FIRE HYDRANTS INSTALLED IN ST. JOHNS COUNTY MUST HAVE A SINGLE 4.5 INCH HOSE OUTLET, AND TWO (2.5) INCH HOUSE OUTLETS, ALL WITH MALE NH STANDARD THREADS, IN ACCORDANCE WITH NFPA 1963.
- 5. A COPY THESE APPROVED ENGINEERED PLANS SHALL ACCOMPANY A REQUIRED FIRE MARSHAL UNDERGROUND PERMIT SUBMITTED BY A CERTIFIED CONTRACTOR. THIS UNDERGROUND PERMIT WILL REQUIRE ADDITIONAL DETAILS AND SPECS AT THE TIME OF SUBMITTAL TO THE FIRE MARSHAL'S OFFICE.
- 6. CONTRACTORS INSTALLING THE UNDERGROUND PIPING IN ACCORDANCE WITH THE ABOVE REFERENCE STANDARDS FOR A FIRE PROTECTION SYSTEM USING WATER AS THE EXTINGUISHING AGENT BEGINNING AT THE POINT AT WHICH THE PIPING IS USED EXCLUSIVELY FOR FIRE PROTECTION AND ENDING NO MORE THAN 1 FOOT ABOVE THE FLOOR SHALL BE REQUIRED TO HAVE A CLASS I. II. OR V FIRE PROTECTION CONTRACTORS LICENSE PURSUANT TO CHAPTER 633, FLORIDA STATUTES. GENERAL CONTRACTORS ARE REMINDED THAT THEY ARE RESPONSIBLE FOR VERIFYING THAT THEIR SUBCONTRACTORS HOLD THE REQUIRED LICENSES. CONTRACTORS FOUND TO BE VIOLATING THIS REQUIREMENT MAY BE REPORTED TO THE DEPARTMENT OF BUSINESS AND
- PROFESSIONAL REGULATION AND/OR THE STATE FIRE MARSHAL'S REGULATORY LICENSING SECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE FIRE MARSHAL'S OFFICE PRIOR TO THE START OF SITE CONSTRUCTION IN ACCORDANCE WITH THE ABOVE REFERENCED STANDARDS.
- 8. NOTE: MINIMUM WORKING PRESSURE OF THE UNDERGROUND PIPING SHALL BE 150 PSI. NFPA 24 REQUIRES SPECIFIC PVC PIPING TO MEET TABLE C-900 WITH MANUFACTURING LISTING FOR FIRE PROTECTION.
- 9. ALL FIRE LINES MUST BE INSPECTED BY THE FIRE MARSHAL'S OFFICE PRIOR TO BACKFILL. THE CODE REQUIRES ALL JOINTS EXPOSED FOR INSPECTION WITH FILL IN-BETWEEN JOINTS. ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO SYSTEM WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT 200 PSI OR 50 PSI IN EXCESS OF THE SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS.

EXISTING LEGEND



PROPERTY / RIGHT OF WAY LINE WETLAND LINE ROADWAY CENTERLINE CURB & GUTTER WETLANDS SPOT ELEVATION GRAVITY SEWER FORCE MAIN SEWER WATER MAIN MAJOR CONTOUR

WETLAND LINE	ABBREVIATION	DESCRIPTION
ROADWAY CENTERLINE	A	ARC
CURB & GUTTER	AC	ACRE
	BOC	
WETLANDS	PED	
		BACK FLOW FREVENTER
	BLDG	BUILDING
SPOT ELEVATION	BM	BENCHMARK
CRAVITY SEWER	BOLL	BOLLOW
	CI	
	CO	CLEANOUT
	СВ	CHORD BEARING
MAJOR CONTOUR	СН	CHORD
MINOR CONTOUR	CMP	CORRUGATED METAL PIPE
	CONC	CONCRETE
	CONSTR	CONSTRUCT
	CONT	CONTINUATION
	COORD	
PROPERTY / RIGHT OF WAY LINE		
DRAINAGE EASEMENT LINE		
UTILITY EASEMENT LINE	DE	
ROADWAY CENTERLINE	DHW	
BUILDING SETBACK LINE	DIP	
CURB & GUTTER	Δ	DELTA
	E	EAST
	EOP	EDGE OF PAVEMENT
SPOTELEVATION	EL	ELEVATION
SLOPE INDICATOR	EPCD	ELLIPTICAL REINFORCED
		CONCRETE PIPE
DRAINAGE SWALE / FLOW DIRECTION	ESMT	EASEMENT
EXISTING TREE TO BE REMOVED	EXIST	EXISTING
	FF	FINISH FLOOR
	FH	FIRE HYDRANT
EXISTING TREE TO BE SAVED	FL	FLOW LINE
	FM	FORCE MAIN
TREE PROTECTION FENGINO	FP	FIRE PROTECTION MAIN
TREE PROTECTION FENCING	EV/	
STORM PIPE	GV	
	HDPE	HIGH DENSITY POLYETHYL
STORM DITCH BOTTOM INLET	HDWL	HEADWALL
	HWL	HIGH WATER LEVEL
	INV	INVERT
	L	LENGTH
MITERED END SECTION	LF	LINEAR FEET
	MES	MITERED END SECTION'
HEADWALL	MAX	MAXIMUM
	Н	MANHOLE
STORM MANIFOLD	MIN	MINIMUM
	N	NORTH
SPOT ELEVATION	NIC	NOT IN CONTRACT
MAJOR CONTOUR	NG	
	NTS	
MINOR CONTOUR		
DRAINAGE DIVIDE		
FLOW DIRECTION	PC	POINT OF CORVATORE
	PCC	POINT OF COMPOUND CUR
SLOPE	PI	POINT OF INTERSECTION
SILT FENCE	POB	POINT OF BEGINNING
CONSTRUCTION REFERENCE POINT	PRC	POINT OF REVERSE CURVE
	PT	POINT OF TANGENCY
THE BOLD WATER MAIN WISIZE	PVC	POINT OF VERTICAL
PROPOSED GATE VALVE W/BOX AND COVER	1.40	CURVATURE
	PVI	POINT OF VERTICAL
FIRE HYDRANT ASSEMBLY		
	PVT	
SINGLE WATER SERVICE	PVMT	
FLUSHING VALVE	PV/C	
	P NO	
PROPOSED SANITARY SEWER MAIN		
PROPOSED SANITARY SEWER MANHOLE		
SANITARY SEWER CLEAN OUT	R/W	
	RCP	REINFORCED CONCRETE F
SANITARY SEWER SERVICE LATERAL	RED	REDUCER
PROPOSED SANITARY SEWER FORCE MAIN	RPZBFP	REDUCED PRESSURE
PROPOSED FIRE PROTECTION MAIN		BACKFLOW PREVENTER
	S	SOUTH
REDUCED PRESSURE BACK FLOW PREVENTER	SAN	SANITARY
UTILITY CROSSING	SEP	SEPARATION
	SL	SLOPE
SAMPLE POINT (SP)	SP	SAMPLE POINT
END OF WATER MAIN PLUG	SHT	SHEET
	STA	STATION
	OWNE	STORM WATER MANAGEME
DOUDLE WATER SERVICE	SVVMF	FACILITY
	ТОВ	TOP OF BANK
	SWR	SEWER
CURVE NUMBER	TOC	TOP OF CURB
STATION NUMBER	TRI CI	
	ТУР	
NUMBER OF PARKING SPACES	UDAE	ACCESS EASEMENT
		UNOBSTUCTED DRAINAGE
		EASEMENT
	UE	UTILITY EASEMENT
	VC	VERTICAL CURVE

WEST WATER MAIN

ABBREVIATIONS

20 ЦĶ TU FΖ N Z Y  $O \parallel \mathcal{A} \parallel$  $\checkmark$ Ц '**Ⅲ**∥⊞ 7 S > C D

OF 13



This item has been digitally signed and sealed by FRED R. JONES JR., P.E. on the date adjacent to the seal. ppies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.





# TOPOGRAPHY NOTES

TOPOGRAPHY SURVEY GENERAL NOTES

- 1. THIS IS NOT A BOUNDARY SURVEY
- 2. THIS IS A TOPOGRAPHIC SURVEY, AS DEFINED IN CHAPTER 5J-17.050(10)(A)-(K) OF THE FLORIDA ADMINISTRATIVE CODE.
- 3. THE FIELD SURVEY WAS PERFORMED ON 09/23/2022.

10. UTILITIES OTHER THAN SHOWN WERE NOT FIELD LOCATED.

- 4. THE SURVEY MAP OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAP OR MAPS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- 5. THE BEARINGS AND COORDINATE SYSTEM UTILIZED HEREON IS RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT, AS DERIVED BY REAL-TIME KINEMATIC GLOBAL POSITIONING SYSTEM ("RTK GPS") SURVEY METHODS USING THE PUBLIC FLORIDA DEPARTMENT OF TRANSPORTATION'S FLORIDA PERMANENT REFERENCE NETWORK ("FPRN"). THE CORRECTED POSITIONS COMPUTED BY THESE NETWORKS WERE VERIFIED THROUGH A REDUNDANCY OF MEASUREMENTS ON PRIMARY CONTROL ALONG WITH CONSISTENT HORIZONTAL CHECKS TO SECONDARY CONTROL. ALL DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET.
- 6. THE ACCURACY STANDARD USED FOR THE HORIZONTAL CONTROL FOR THIS SURVEY, AS CLASSIFIED IN THE STANDARDS OF PRACTICE (5J-17.051 FAC). THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF SURVEY IS 1 FOOT IN 10,000 FEET.
- 7. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE AMERICAN VERTICAL DATUM OF 1988, AS ESTABLISHED BY F.P.R.N. REPEATED G.P.S. VALUES.
- 8. THE STRUCTURE DIMENSIONS DO NOT INCLUDE THE EAVE OVERHANG OR FOUNDATION FOOTINGS, UNLESS OTHERWISE NOTED ON THIS MAP.
- 9. IN SOME INSTANCES IT IS NECESSARY TO EXAGGERATE THE LOCATION OF SOME FEATURES SUCH AS, BUT NOT LIMITED TO, FENCES, ADDITIONAL PROPERTY CORNERS FOUND, ETC. IN ORDER TO MORE CLEARLY REPRESENT THE AFOREMENTIONED ITEMS.
- 11. THE PROPERTY SURVEYED MAY CONTAIN WETLANDS OR OTHER ENVIRONMENTALLY SENSITIVE AREAS SUBJECT TO THE JURISDICTION BY GOVERNMENTAL AGENCIES. THE LIMITS OF SAID AREAS, IF ANY, HAVE NOT BEEN LOCATED.
- 12. THIS IS A SURFACE SURVEY ONLY. UNDERGROUND IMPROVEMENTS SUCH AS FOOTERS AND UTILITIES, IF ANY, WERE NOT LOCATED, EXCEPT AS SHOWN.
- 13. THE SUBJECT PROPERTY LIES IN FLOOD ZONE "X", ACCORDING TO THE FLOOD INSURANCE RATE MAP(FIRM), COMMUNITY-PANEL NUMBER 12109CO382J REVISED 12/07/2018. THE SAID FLOOD INSURANCE RATE MAP IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- 14. ADJOINING PROPERTY INFORMATION WAS OBTAINED FROM ST JOHNS COUNTY PROPERTY APPRAISERS OFFICE.
- 15. THE PURPOSE OF THIS TOPOGRAPHIC SURVEY IS TO LOCATE ITEMS WITHIN PUBLIC DIRT PARKING AREA FOR FUTURE IMPROVEMENTS.
- 16. THE BOUNDARY LINES SHOWN HEREON ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE INTENDED TO SHOW APPROXIMATE BOUNDARY LOCATION. BOUNDARY INFORMATION WAS PROVIDED BY A SURVEY PERFORMED BY LAND TECH AND ASSOCIATES, PROJECT NO. 17-0951, DATED: 12/07/2018.
- 17. BEACH BLVD A1A RIGHT OF WAY AS DEFINED BY ST JOHNS COUNTY RIGHT OF WAY DWG FILE, ON FILE IN THE ST JOHNS COUNTY SURVEYOR'S OFFICE GIS DATABASE.



7.66 -

7.44

EDGE OF ASPHALT -PAVEMENT

6.8

7.59 🤸

DETECTABL

TC = 8.00 EP = 7.50

PROJECT NO: 2	2-0	096
MAP DATE:	09/27	7/2022
SURVEY DATE:	09/22	2/2022
CHECKED BY: F	RDF	
DRAWN BY: TJF		
FIELD WORK: A	DS	
page 1	OF	1



by Russell D Flint

Date: 2022.10.04

08:07:02 -04'00'

Symbol Legend

Denote

Russell Digitally signed

RUSSELL D. FLINT, Florida PSM # 7324 Not Valid Without the Digital Signature of A Florida Licensed Surveyor & Mapper

D Flint

Svmbol

Abbreviation Legend

Svmbol

FND

FOUND

Denotes

Flint Surveying & Mapping, Inc. 2 U.S. HWY 1 SOUTH #208 T AUGUSTINE, FL 32086 PHONE (904) 392-5948 LICENSED PROFESSIONAL FLORIDA #7324

SHEET: 1

OF 1







![](_page_6_Figure_0.jpeg)

![](_page_7_Figure_0.jpeg)

![](_page_7_Figure_4.jpeg)

# PLANTING NOTES

- I. The LANDSCAPE CONTRACTOR is responsible for verifying project site conditions and all quantities indicated on these plans before commencing any work. LANDSCAPE CONTRACTOR shall notify the LANDSCAPE ARCHITECT if soil conditions are poorly drained to determine is substitution of materials is necessary.
- 2. All plant material shall be Florida Grade No. 1 or better nursery grown in accordance to Florida Grades and Standards.
- 3. All plant material shall be container grown or B&B. B&B materials shall be "hardened off" root pruned during field production and shall be dug at least several weeks before.
- 4. Plants shall be sound, healthy and vigorous, well branched and densely foliated when in leaf. They shall be free of disease, insects, eggs or larvae and shall have healthy, well developed root systems. They shall be free from physical damage or adverse conditions that would prevent thriving growth.
- 5. Substitution of plant materials will not be permitted unless authorized in writing by the LANDSCAPE ARCHITECT. If proof is submitted that any plant specified in not obtainable, a proposal will be considered for use of the nearest
- equivalent size or variety with corresponding adjustment of contract price. 6. LANDSCAPE CONTRACTOR shall bear final responsibility for proper surface drainage of planted areas. Any discrepancy in the drawings, obstruction on the site, or prior to work done by any other party, which the CONTRACTOR feels precludes establishing proper drainage shall be brought to the attention of the LANDSCAPE ARCHITECT for correction or relief of said responsibility. 7. Planting beds shall be cut or edged to form a uniform clean line between beds and lawn areas.
- 8. After all plant material in a plant bed area has been installed and approved, the areas between plants shall be raked to an even grade to conform to premulching finish grades. All planting beds and plant saucers shall then be uniformly covered with a minimum three (3) inches of #2 grade or better of PINE BARK MINI NUGGETS.
- 9. Before fertilization a soil and/or foliar nutrient analysis shall be performed to determine whether phosphorus fertilizer with 30% slow release nitrogen will be required. All planting bed areas shall be fertilized.
- 10. The LANDSCAPE CONTRACTOR is responsible for all fine grading preparation for planting. APPLY PRE-EMERGENT HERBICIDE to beds prior to planting. 11. Rough grades will be established by the owners general contractor at approximately 3 inches below curbs, sidewalks, hardscape amenities, moving strips and abutments. All materials shall be a minumim 30" from buildings or walks.
- 12. The LANDSCAPE CONTRACTOR is responsible for fully maintaining all plant material on site during and after planting, until the work is accepted by the LANDSCAPE ARCHITECT and/or owner.
- 13. The LANDSCAPE ARCHITECT, owner or owners representative shall have the right to reject any and all work which in his opinion does not meet with the requirements of the specifications at any stage of the project operation. 14. There will be special care to all existing trees to be retained on site to avoid construction damage.
- 15. Plant material soil shall be "native" soil that was removed from the planting hole. If soil is badly contaminated, good quality soil shall be used as replacement after contaminated soil has been completely removed from planting area. 16. Sod shall be laid end to end and side to side in a staggered line to form a uniform layer. All uneven edges shall be squarely trimmed to allow close and firm fitting of each piece.
- 17. Sod all disturbed areas within silt fence. Sod shall be ARGENTINE BAHIAGRASS. Grass for sodding shall be freshly cut in squares one foot wide by two feet long. Sod shall be healthy, free of insects and weeds, in naturally flourishing conditions. Dry, brown and unfresh sod will be rejected. A. Prior to rolling sod spread a 1" layer of debris and weed free sand to sod
  - surface. Roll freshly laid sod using a lightweight turf roller. Provide a true and even surface without any displacement of the sod or deformation. Where sodding on slopes, stagger the setting of the sod pieces to avoid a
  - continuous seam along the line of flow. Tamp the outer pieces of sod to produce a featheredge effect. Peg sod at locations where the sod may slide. Drive pegs through sod blocks into firm earth, at intervals approved by the Engineer. Remove any sod as directed by the Engineer.
- 18. After sodding is completed, the entire areas shall be watered by hand or irrigation system each day for two weeks. After approximately one month of installation, sodded areas shall then be top dressed with a 15-0-15 commercial slow-release fertilizer at a rate of 6.67 pounds per 1,000 square feet of area in an evenly broad-case pattern.
- 19. All plants shall be guaranteed by the LANDSCAPE CONTRACTOR to be healthy plants and in flourishing condition of active growth for ninety (90) days from final inspection and acceptance. All trees shall be guaranteed an additional one year from final inspection and acceptance.

						REGISTERED	I ANDOUNDE ADOULTEOT		ERIC J. LANEHART	CA#26535 FL.#6666877
REVISIONS	DESCRIPTION									
	DATE	1211002	N202/10/					-		1
	NO.	10				1				
EJL	MGD			EJL			07-05-2023			22036
DSGN BY:	DWG BY:		CHK BY:			DATE:			. IOB No.	
MATTHE				P.O. BOX 3126, 7 WALDO STREET		ST. AUGUSTINE. FL 32084		PHONE: 904 826 1334 • FAX: 904 826 4547		INFO@MDGINC.COM
LANDSCAPE PLAN			A JINELI FANNINU			CILI OF SL. AUGUSTINE BEACH		PREPARED FOR		CITY OF ST. AUGUSTINE BEACH
SHEE	T No	.:	_	9	)					
		0	F	1	3	5				

	POSED T	REES			TREES TO REMA	IN	
Common		Size	Quantity	Tree Number	Common	Size (INC	2
Cabbage Palmette	o  3" Ca	I. / 12` Ht.	1	1178	Cabbage Palme	etto 12	
				1177	Cabbage Palme	$\frac{12}{12}$	_
				1175	Cabbage Palme	etto 12	
				1173	Cabbage Palme	etto 12	-
					Т	OTAL 60	
					EES TO BE TRANSI		_
				1318	Cabhage Palme	Size (INC	_
				1171	Cabbage Palme	etto 12	
				1319	Cabbage Palme	etto 15	_
					Т	OTAL 44	
				APHIC SCALE 10 15 2 T"=10' SLE OF CROSS BILITY			
PLANT SCI	HEDU	JLE BOTANIC	AL NAME	COMMON NAM	<u>e native</u>	SIZE	_
MAN ANY MAN MAN	SS	Sabal palr	netto	Cabbage Palme	tto	12` Ct.	
HRUBS	CODE	ΒΟΤΔΝΙΟ			F <u>SI7</u> F	CONTAINER	
MA							
Zije	IF	Illicium pai	rvitiorum	Anise		18" Ht. Min.	
	PM	Podocarpu	ıs macrophyllus	Yew Podocarpu	s	30" Ht. Min.	
+							
(+) (·)	VO	Viburnum	obovatum	Walter's Viburnu	ım	30" Ht. Min.	
+ OUND COVERS	VO <u>CODE</u>	Viburnum <u>BOTANIC</u>	obovatum AL NAME	Walter's Viburnu <u>COMMON NAM</u>	im <u>E SIZE</u>	30" Ht. Min <b>.</b> <u>CONTAINER</u>	

LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPLANTING PALMS, KEEPING PALMS WATERED AND FERTILIZED AFTER TRANSPLANTING, AND MONITORING PLANTS FOR 12 MONTHS TO ENSURE SURVIVAL. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE CLIENT AND LANDSCAPE ARCHITECT PRIOR TO REMOVING PALMS OF ANY CONCERNS REGARDING TRANSPLANTING.

![](_page_8_Figure_2.jpeg)

![](_page_9_Figure_0.jpeg)

					FRED R. JONES JR. P.F.	CA#26535 FL.#42614
REVISIONS	DATE DESCRIPTION	07/31/2023 REVISED PER SJC COMMENTS				
	NO.	01				
SAK	MIM		FRJ	07-05-203	07 00 10	22036
DSGN BY:	DWG BY:			DATE:	. IOB No .	
MAT			P.O. BOX 3126, 7 WALDO STREET	ST. AUGUSTINE, FL 32084	PHONE: 904.826.1334 • FAX: 904.826.4.	INFO@MDGINC.COM
CONSTRUCTION DETAILS		A STREET PARKING		CITY OF ST. AUGUSTINE BEACH	PREPARED FOR	CITY OF ST. AUGUSTINE BEACH
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![](_page_10_Figure_1.jpeg)

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![](_page_11_Figure_0.jpeg)

OJECTS/22000/22036 - A STREET PARKING/ENGIDRAWINGS/CONSTRUCTION DOCUMENTS/20 - MOT PLAN.DWG\_L1, 8/7/2023 2:25 PM, Branden Marcinell, MATTHEWS DESIGN GROUP, INC.

This item has been digitally signed and sealed by FRED R. JONES JR., P.E. on the date adjacent to the seal. Inted copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

						FRED R. JONES JR., P.E.	CA#26535 FL.#42614
REVISIONS	D. DATE DESCRIPTION	1 07/31/2023 REVISED PER SJC COMMENTS					
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MA			P.O. BOX 3126, 7 WALDO STREE	ST. AUGUSTINE, FL 32084	PHONE: 904 826 1334 • FAX: 904 826		INFO@MDGINC.COM
MOT PLAN		A STREET PARKING		CITY OF ST. AUGUSTINE BEACH	PREPARED FOR		CITY OF ST. AUGUSTINE BEACH
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# GENERAL NOTES

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE CLEARING AND EROSION CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS.

# SEQUENCE OF MAJOR ACTIVITIES

- THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:
- 1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- 2. INSTALL SILT FENCES, SYNTHETIC BALES AND OTHER EROSION/SEDIMENTATION CONTROLS AS REQUIRED.
- 3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN IF REQUIRED.
- 4. CONSTRUCT SEDIMENTATION BASIN IF REQUIRED.
- 5. CONTINUE CLEARING AND GRUBBING.
- 6. STOCK PILE TOP SOIL IF REQUIRED.
- 7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED.
- 8. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE.
- 9. INSTALL STORM SEWER, WATER, SEWER AND IRRIGATION.
- 10. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING.
- 11. REMOVE ACCUMULATED SEDIMENT FROM BASIN.
- 12. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED.

# TIMING OF CONTROLS / MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND SYNTHETIC BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA. THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE CLEARING AND EROSION CONTROL PLAN.

# CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE PLANS. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE PLANS AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE PLANS AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

STABILIZED CONSTRUCTION ENTRANCE:

CONTRACTOR SHALL INSTALL AND MAINTAIN FOR THE DURATION OF THE CONSTRUCTION A STONE STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS TO THE CONSTRUCTION SITE. AGGREGATE SHALL BE FDOT SIZE NO. 1 COARSE AGGREGATE.

EROSION AND SEDIMENT CONTROLS STABILIZATION PRACTICES:

- SYNTHETIC BALE BARRIER: SYNTHETIC BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
  - A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT
  - B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS. D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF SYNTHETIC BALE BARRIERS
  - CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT
- E. REFER TO THE DETAILS FOR CONSTRUCTING THE SYNTHETIC BALE BARRIER. ALSO, REFER TO THE DETAILS FOR PROPER LOCATION, MATERIAL AND USAGE.
- FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
  - F. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT. G. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO
- GREATER THAN 2 ACRES. H. REFER TO THE DETAILS FOR PROPER CONSTRUCTION OF THE FILTER FABRIC BARRIER.
- 3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.
- 4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE. LEVEL SPREADER SHALL BE CONSTRUCTED IN ACCORDANCE TO THE DETAILS.
- 5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.
- 6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
- 7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
- 8. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 7 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.
- 9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
- 10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDRO MULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX AND AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
- 11. TEMPORARY REGRASSING: IF AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
- 12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
- 13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
- 14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

THE DETAILS.

![](_page_12_Picture_46.jpeg)

![](_page_12_Picture_49.jpeg)

WASTE DISPOSAL:

![](_page_12_Picture_52.jpeg)

HAZARDOUS WASTE:

SANITARY WASTE

OFFSITE VEHICLE TRACKING:

# PRACTICES:

- AND SEDIMENT CONTROLS. FROM THE ENGINEER.
- HEIGHT OF THE FENCE.

- CONSTRUCTION PERIOD:

# STORM WATER POLLUTION PREVENTION PLAN

# CONTROLS (CONTINUED)

STRUCTURAL PRACTICES:

TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY AND IT SHALL BE CONSTRUCTED IN ACCORDANCE WITH

TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGE WAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:

A. BLOCK AND GRAVEL SEDIMENT FILTER - THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. REFER TO THE DETAILS FOR CONSTRUCTION OF A CURB INLET SEDIMENT FILTER, AND FOR CONSTRUCTION OF A DROP INLET SEDIMENT FILTER. B. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED

SEDIMENT TRAP. C. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS. REFER TO THE DETAILS FOR CONSTRUCTION OF SYNTHETIC BALE AND FABRIC SEDIMENT FILTER.

OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION AND SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES AND SYNTHETIC BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.

4. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE FITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

# **OTHER CONTROLS**

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES DAY-TO-DAY OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

# MAINTENANCE / INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTIONS AND MAINTENANCE

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION

- NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION

- ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.

- ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER: IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

- BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE

- SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

- THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.

- DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED. - TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

- A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.

- THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

- THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT

- PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES:

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE

- WATER FROM WATER LINE FLUSHING.

- PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED). - UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE. ALL SUCH DISCHARGES SHALL MEET STATE WATER QUALITY STANDARDS AND ALL NECESSARY PERMITS SHALL BE OBTAINED.

# SPILL PREVENTION

# MATERIAL MANAGEMENT PRACTICES:

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

# <u>GENERAL</u>

- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. - ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL. - SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER ... - WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED. - THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL

# HAZARDOUS PRODUCTS:

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS: - PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

- ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

# PRODUCT SPECIFIC PRACTICES:

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

# PETROLEUM PRODUCTS:

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. FERTILIZERS:

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

# PAINTS:

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS. CONCRETE TRUCKS:

CONCRETE TRUCKS SHALL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONLY AT DISCHARGE POINT PROVIDED. NO OFFSITE DISCHARGE WILL BE PERMITTED.

SPILL CONTROL PRACTICES

IN ADDITION TO GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP

MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS INCLUDE BUT ARE NOT LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (I.E. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE. SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL

GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

![](_page_12_Figure_138.jpeg)