

ENERGY COVE WAREHOUSE

FOR

WIGGINS CONSTRUCTION COMPANY

ENERGY COVE, GREEN COVE SPRINGS, FL 32043

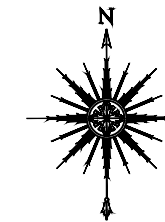
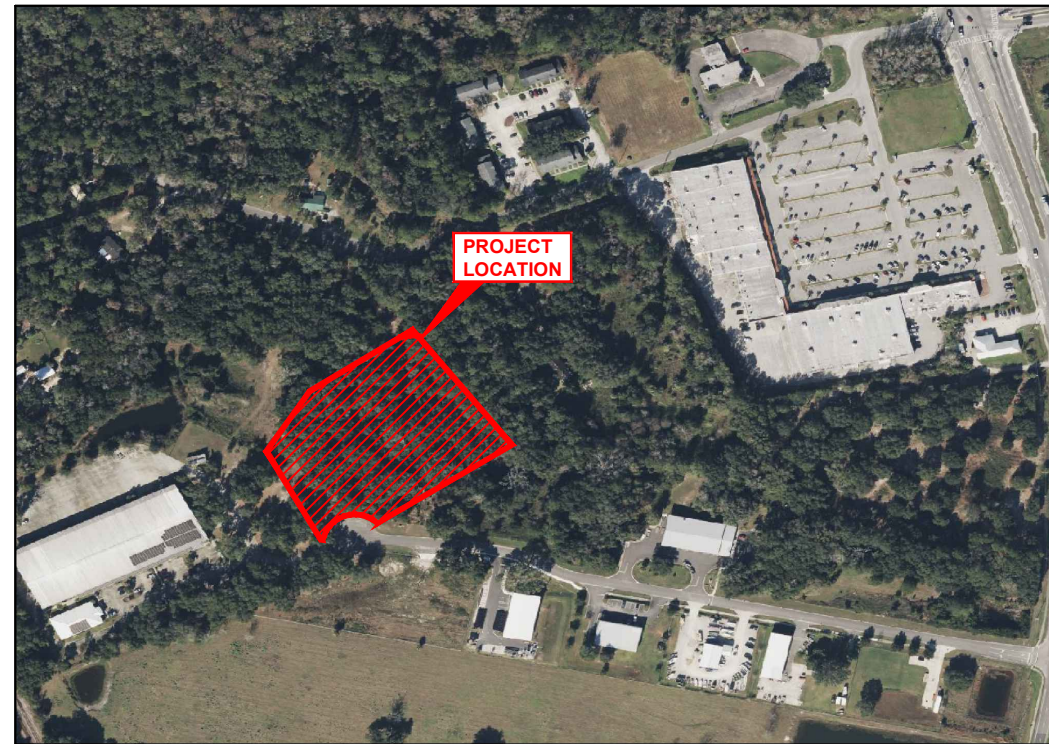
CLAY COUNTY

PROJECT OWNER AND CONSULTANTS

OWNER: A2W GCS, LLC.
91 Branscomb Road, Suite 17
Green Cove Springs, FL 32043
TEL: 904-214-7999

SURVEYOR: Bartram Trail Surveying, INC.
1501 CR 315, Suite 106
Green Cove Springs, FL 32043
TEL: (904) 284-2224

ENGINEER: TocoI Engineering, LLC
John Mahoney, P.E.
714 North Orange Avenue
Green Cove Springs, FL 32043
TEL: 904-215-1388

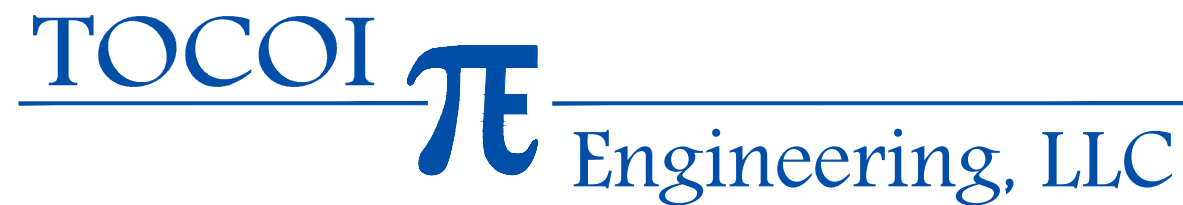


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TE JOB NO: 22-549

LOCATION MAP
N.T.S.



714 NORTH ORANGE AVENUE, GREEN COVE SPRINGS, FL 32043
PH: 904-215-1388 E.B. NUMBER: 26383
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PRELIMINARY PLANS
May 19, 2023

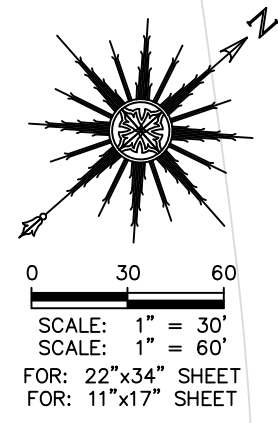
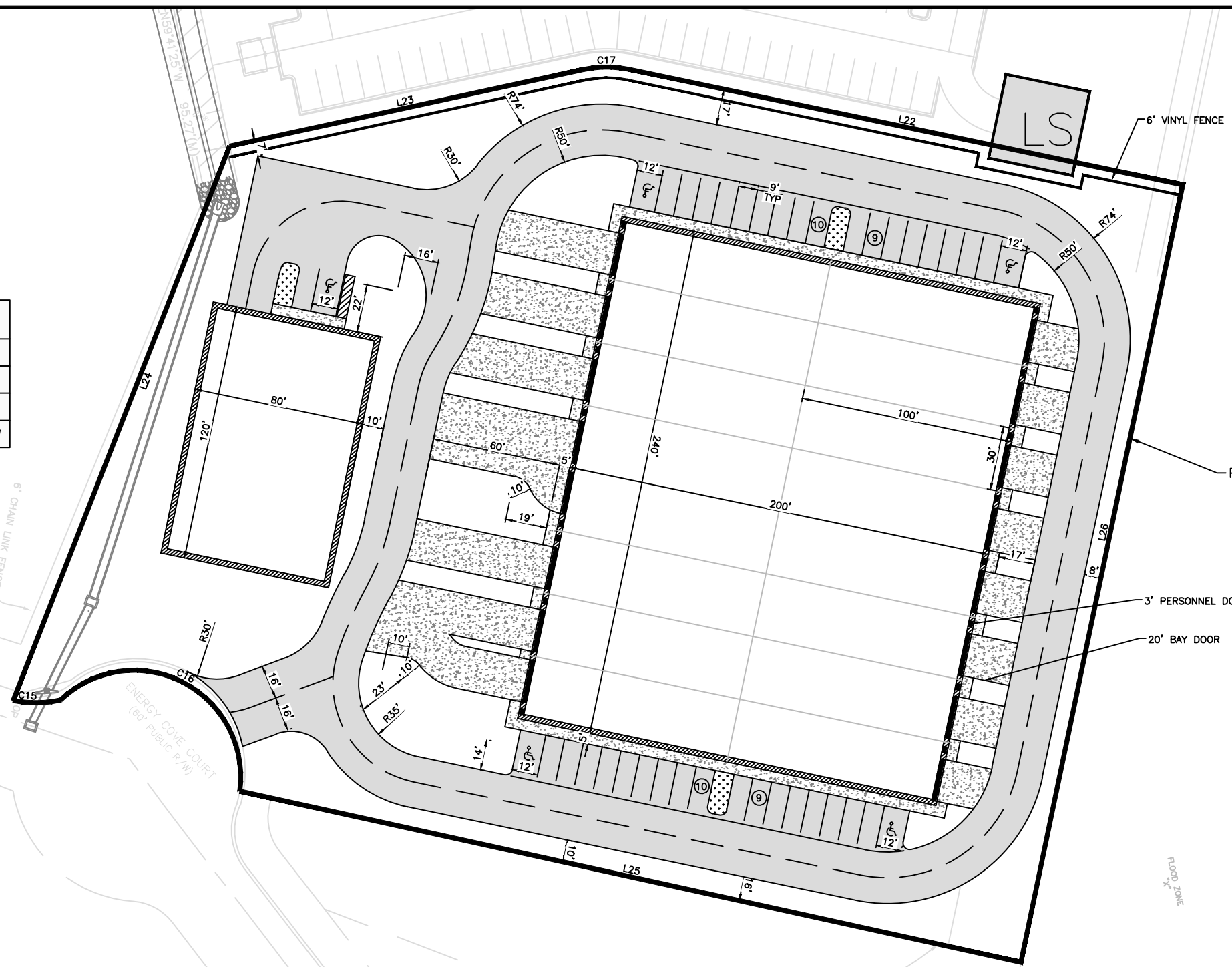
JOHN MAHONEY, P.E.
FLA. REGISTERED ENGINEER, #40177

Date: 5/19/23 Time: 2:51 PM DWG Name: \\TEL-WALTY\01\Projects\22-549\Wiggins Construction\03-CADD\ENERGY COVE WAREHOUSE\22-549 MASTER PLAN STORAGE.dwg Layout: GEOMETRY PLAN

PARCEL LINE TABLE		
LINE #	LENGTH	BEARING
L22	264.63'	S 54°15'06" W
L23	169.37'	S 30°18'34" W
L24	278.59'	S 26°10'17" E
L25	374.22'	N 54°49'34" E
L26	371.56'	N 35°44'54" W

PARCEL CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CH LENGTH	CH BEARING
C15	22.32'	53.79'	23°46'09"	22.16'	N 41°49'16" E
C16	123.14'	49.85'	141°31'12"	94.14'	N 69°27'56" E
C17	21.52'	52.32'	23°33'39"	21.36'	S 42°16'50" W

MASTER PLAN DATA			
AREAS			
TOTAL SITE	160027.09	SQ. FT.	(3.67 Ac)
BUILDING AREA	57,600	SQ. FT.	(1.32 Ac)
PAVING AREA (ASPHALT)	42184.52	SQ. FT.	(0.97 Ac)
PAVING AREA (CONCRETE)	--	SQ. FT.	(0.00 Ac)
SIDEWALKS	2881.04	SQ. FT.	(0.06 Ac)
DRIVEWAY	13198.64	SQ. FT.	(0.30 Ac)
RETENTION PONDS	--	SQ. FT.	(0.00 Ac)
PERVIOUS AREA	58352.83	SQ. FT.	(1.34Ac)
ZONING			
ZONING DESIGNATION	R-3		
MAX BUILDING COVERAGE	65%		
MIN. SETBACKS	DISTANCE		
FRONT (EAST)	30'		
REAR (WEST)	20'		
SIDE (NORTH)	10'		
MAX. BUILDING HEIGHT	55'		



- NOTES:
1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT EXCEPT INTERIOR ISLAND DIMENSIONS.
 2. PROJECT SIGN HEIGHT, SIZE, AND TYPE SHALL BE IN COMPLIANCE WITH CITY ZONING.
 3. APPROVAL OF THESE PLANS DO NOT INCLUDE APPROVAL FOR PRIVATE UNDERGROUND WATER MAIN, HYDRANTS AND FIRE SPRINKLER MAINS. PRIVATE WATER MAIN MUST MEET NFPA 24.
 4. FOR BUILDING LAYOUT AND TYPE OF CONSTRUCTION SEE ARCHITECTURAL PLANS.
 5. ALL ON SITE SIDEWALKS AND ACCESSIBLE RAMPS SHALL BE CONSTRUCTED ACCORDING TO FLORIDA BUILDING CODE, SECTION 11.4.
 6. ALL ACCESSIBLE RAMPS WITHIN THE ROW SHALL BE BASED UPON DOT INDEX 304.
 7. ALL DISTURBED SOIL WITHIN THE ROW SHALL HAVE AN ESTABLISHED STAND OF GRASS, EQUAL TO THE SURROUNDING GRASS, PRIOR TO FINAL ACCEPTANCE.
 8. FOR TREE REMOVAL SEE LANDSCAPE PLANS.
 9. ALL RADII ARE 5 FT UNLESS OTHER WISE NOTED.
 10. FOR SIDEWALK MOT SEE FDOT INDEX 660.

TOCOI **Engineering, LLC**

714 NORTH ORANGE AVENUE, GREEN COVE SPRINGS, FL 32043
PH: 904-215-1388 E.B. NUMBER: 26383

ENGINEER OF RECORD
JOHN J. MAHONEY III
FLORIDA
REGISTRATION NUMBER:
40177

ENERGY COVE WAREHOUSE
FOR
WIGGINS CONSTRUCTION COMPANY
GEOMETRY PLAN

REVISIONS

PLOT DATE:
DRAWN BY:
DESIGNED BY:
CHECKED BY:
SCALE:
JOB NO.:

SHEET NO.
5

All documents and materials supplementing the signed and sealed documents are resources provided for clarification purposes only and do not supersede the signed and sealed documents. Engineer is not responsible for any deviations from the signed and sealed documents.

STORM WATER POLLUTION PREVENTION PLAN

CITY'S REQUIREMENTS

SITE DESCRIPTION

PROJECT NAME AND LOCATION:
SPORTSMAN CLUB TRAILER STORAGE
0 SPORTSMAN CLUB RD
JACKSONVILLE, FL 32219

OWNER NAME AND ADDRESS:
STEVEN HALL
S&K PROPERTIES, LLC
10702 MEADOW STABLE LANE
UNION, KY 41091

DESCRIPTION
SECTION 40, TOWNSHIP 1S, RANGE
25E GEITGEYS R/P, PT TRACT A,
PT W 1/2 SEC 40

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING AND GRUBBING; EARTHWORK, PAVEMENT AND GRADING;
STORM SEWER, UTILITIES, AND PREPARATION FOR FINAL PLANTING
AND SEEDING.

RUNOFF CURVE NUMBERS:
1. PRE-CONSTRUCTION =
2. DURING CONSTRUCTION =
3. POST-CONSTRUCTION =

SOILS:
SEE SOIL BORING REPORT FOR SOILS DATA

SITE MAPS:
* SEE ATTACHED GRADING PLAN FOR PRE & POST DEVELOPMENT GRADES,
AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS,
PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS
AND STORM WATER DISCHARGE POINTS.
* SEE ATTACHED EROSION & TURBIDITY CONTROL PLAN FOR LOCATION OF
TEMPORARY STABILIZATION PRACTICES, AND TURBIDITY BARRIERS
* SEE GENERAL NOTES FOR REQUIREMENTS FOR TEMPORARY AND
PERMANENT STABILIZATION.

SITE AREA:
1. TOTAL AREA OF SITE =
2. TOTAL AREA TO BE DISTURBED =

NAME OF RECEIVING WATERS:

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL
EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. AN EROSION AND
TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON
PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTOR'S RESPONSIBILITY
TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AS WELL AS ENSURING
THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL,
STATE AND LOCAL LAWS. REFER TO "CONTRACTORS RESPONSIBILITY" FOR A
VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

STORM WATER MANAGEMENT
STORM WATER DRAINAGE WILL BE PROVIDED BY (DESCRIPTION): _____

FOR THE PROJECT, AREAS WHICH ARE NOT TO BE CONSTRUCTED ON, BUT
WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS
COMPLETE. WHEN CONSTRUCTION IS COMPLETE, A TOTAL OF _____ ACRES WILL
HAVE BEEN REGRADED, _____ ACRES LEFT UNDISTURBED. THE SITE DISCHARGES
TO A WET DETENTION SYSTEM. WHERE PRACTICAL, TEMPORARY SEDIMENT BASINS
WILL BE USED TO INTERCEPT SEDIMENT BEFORE ENTERING THE PERMANENT
DETENTION BASIN. THE WET DETENTION SYSTEM IS DESIGNED WITH A _____ DAY
MINIMUM RESIDENCE VOLUME. THIS IS IN ACCORDANCE WITH THE REQUIREMENTS
SET FORTH BY THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT FOR THIS
TYPE OF DEVELOPMENT AT THE TIME OF PERMITTING.

TIMING OF CONTROLS/MEASURES

REFER TO "CONTRACTORS RESPONSIBILITY" FOR THE TIMING OF
CONTROL/MEASURES.

**CERTIFICATION OF COMPLIANCE WITH
FEDERAL, STATE AND LOCAL REGULATIONS**

IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM
WATER MANAGEMENT AND EROSION AND TURBIDITY CONTROLS, THE FOLLOWING
PERMITS HAVE BEEN OBTAINED.
D.E.R. DREDGE/FILL PERMIT # _____
C.O.E. DREDGE/FILL PERMIT # _____
S.J.R.W.M.D. M.S.S.W. PERMIT # _____

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL
ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN
ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED
PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION
SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO
MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR
GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE
BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I
AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE
INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR
KNOWING VIOLATIONS.

SIGNED: _____
CITY ENGINEER

CONTRACTOR'S REQUIREMENTS

GENERAL

THE CONTRACTOR SHALL, AT A MINIMUM IMPLEMENT THE CONTRACTOR'S
REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION
AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE
ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT
CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE
OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE
REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING
THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE	9. INSTALL UTILITIES, STORM SEWER, CURBS & GUTTER.
2. INSTALL SILT FENCES AND HAY BALES AS REQUIRED	10. APPLY BASE TO PROJECT
3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN	11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING
4. CONSTRUCT SEDIMENTATION BASIN	12. COMPLETE FINAL PAVING
5. CONTINUE CLEARING AND GRUBBING	13. REMOVE ACCUMULATED SEDIMENT FROM BASINS
6. STOCK PILE TOP SOIL IF REQUIRED	14. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED
7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED	
8. STABILIZE DENuded AREAS AND STOCKPILES AS SOON AS PRACTICABLE	

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES
AND HAY 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 EROSION & TURBIDITY CONTROL PLAN.

CONTROLS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT THE EROSION AND
TURBIDITY CONTROLS AS SHOWN ON THE EROSION AND TURBIDITY CONTROL
PLAN. IT IS ALSO THE CONTRACTOR'S 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 EROSION AND TURBIDITY CONTROL PLAN 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 EROSION AND TURBIDITY CONTROL PLAN AND AS REQUIRED
TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT
SITE BY THE REGULATORY AGENCIES.

**EROSION AND SEDIMENT CONTROLS
STABILIZATION PRACTICES**

- HAY BALE BARRIER:** HAY 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.
C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW 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.
REFER TO CITY STANDARD DETAIL D-913 FOR CONSTRUCTING THE HAY
BALE BARRIER. ALSO REFER TO D-901, D-911 AND D-12 FOR PROPER
LOCATION, MATERIAL & USAGE.
- FILTER FABRIC BARRIER:** FILTER FABRIC 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.
REFER TO CITY STANDARD DETAIL D-910 FOR PROPER CONSTRUCTION
OF THE FILTER FABRIC BARRIER.
- 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.
- 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 CITY STANDARD DETAIL D-914.

- 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.
- 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.
- 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.
- TEMPORARY SEEDING:** AREAS OPENED BY CONSTRUCTION OPERATIONS
AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND
RECEIVE FINAL GRASSING TREATMENT WITHIN 30 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.
- 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.
- TEMPORARY GRASSING:** THE SEEDED OR SEEDED AND MULCHED AREA(S)
SHALL BE ROLLED AND WATERED OR HYDROMULCHED 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 & AMOUNT REQUIRED
FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
- TEMPORARY REGASSING:** IF, AFTER 14 DAYS FROM SEEDING, THE
TEMPORARY GRASSES ARE 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.
- 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.
- PERMANENT EROSION CONTROL:** THE EROSION CONTROL FACILITIES OF
THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE
OFFSITE FACILITIES.
- 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.

STRUCTURAL PRACTICES

- TEMPORARY DIVERSION DIKE:** TEMPORARY DIVERSION DIKES MAY BE
USED TO DIRECT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY,
AND IT SHALL BE CONSTRUCTED IN ACCORDANCE TO D-914.
- TEMPORARY SEDIMENT TRAP:** A SEDIMENT TRAP SHALL BE INSTALLED IN
AN OPENING AT A STORM DRAIN INLET OR AT OTHER POINTS OF
DISCHARGE FROM A DISTURBED AREA.
THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER
INDEPENDANTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION
DIKE:
A. **BLOCK & 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 D-902 FOR CONSTRUCTION OF A
CURB INLET SEDIMENT FILTER, AND D-904 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 & UNPROTECTED
AREAS. REFER TO D-903 FOR CONSTRUCTION OF CURB INLET & DROP
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 D-905 FOR
CONSTRUCTION OF HAY BALE & FABRIC SEDIMENT FILTER.
- OUTLET PROTECTION:** APPLICABLE TO THE OUTLETS OF ALL PIPES AND
PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION
& SEDIMENT PROBLEMS TO THE RECEIVING WATER BODY. SILT FENCES &
HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE
DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.
- 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 AREA PER ACRE DRAINED DOES NOT
APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS
THAT ARE EITHER 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

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 PREVENTIVE 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 MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE
SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE 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:

MANUFACTURERS' 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 WILL
INCLUDE BUT NOT BE 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.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES
THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE
USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

- NO MORE THAN 10 ACRES OF THE SITE WILL BE DENIED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- 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 HEIGHT OF THE FENCE.

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 PREVENTIVE 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 MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE
SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE 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:

MANUFACTURERS' 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 WILL
INCLUDE BUT NOT BE 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
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- 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 HEIGHT OF THE FENCE.

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND
CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER
DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE
CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

RESPONSIBLE FOR/DUTIES	GENERAL CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR

**BUSINESS NAME AND ADDRESS
OF CONTRACTOR & ALL SUBS**

SIGNATURE

TOCOI Engineering, LLC

714 NORTH ORANGE AVENUE, GREEN COVE SPRINGS, FL 32043
PH: 904-215-1398 E.B. NUMBER: 26383

ENGINEER OF RECORD
JOHN J. MAHONEY III
FLORIDA
REGISTRATION NUMBER:
40177

ENERGY COVE WAREHOUSE
FOR
WIGGINS CONSTRUCTION COMPANY
SWPPP CONTRACTOR REQUIREMENTS

REVISIONS

NO.	DATE	DESCRIPTION

PLOT DATE:
DRAWN BY:
DESIGNED BY:
CHECKED BY:
SCALE:
JOB NO.:

SHEET NO.
12

Date: 3/15/23 Time: 3:29 PM DWG Name: \\TEL-WALTY\01Projects\22-549 Cooks Lane Apartment & Warehouse - Wiggins Construction\03-CADD\ENERGY COVE WAREHOUSE\22-549 SWPPP CONTRACTOR REQUIREMENTS.dwg Layout: REC

All documents and materials supplementing the signed and sealed documents are resources provided for clarification purposes only and do not supersede the signed and sealed documents. Engineer is not responsible for any deviations from the signed and sealed documents.

