

STORM SEWER TAGS:

1	EXIST. MH RIM = 11.48 (ADJUST TO FG) INV = 3.85, W/E INV = 3.85, N (CORE CONNECTION)	10	16 LIN FT RCP SS, 12" @ 1.00%	21	STORM CLEANOUT, 6" RIM = 12.89 INV = 6.49	30	5 LIN FT SS PVC SDR-26, 6" (ROOF DRAIN) @ 2.73% INV @ ST-20 = 10.42 INV @ BLDG = 10.56
2	EXIST. 20 LIN FT RCP SS, 15" @ 4.15%	11	PROP. 4" DIA CB, CLOSED LID RIM = 12.58 INV = 4.90, W/SE	22	5 LIN FT SS PVC SDR-26, 6" (ROOF DRAIN) @ 2.73% INV @ ST-20 = 6.41 INV @ BLDG = 6.56	31	EXIST. INLET RIM = 10.90 INV = 9.15, E INV = 9.15, NW (RT CONNECTION)
3	EXIST. MH RIM = 12.17 (ADJUST TO FG) INV = 4.68, W/S (CONTRACTOR TO VERIFY IN-FIELD). NOTIFY ENGINEER OF ACTUAL INVERT UPON INSPECTION. INV = 6.29, E (CORE CONNECTION)	12	39 LIN FT RCP SS, 12" @ 1.00%	23	STORM CLEANOUT, 6" RIM = 13.52 INV = 7.07	32	7 LIN FT RCP SS, 12" @ 1.00%
4	6 LIN FT RCP SS, 15" @ 1.00%	13	PROP. 4" DIA INLET TYPE E RIM = 11.35 INV = 5.20, NW/E	24	5 LIN FT SS PVC SDR-26, 6" (ROOF DRAIN) @ 2.73% INV @ ST-20 = 7.13	33	PROP. 4" DIA INLET TYPE E RIM = 11.81 INV = 8.75, SE/N
5	PROP. 4" DIA CB, CLOSED LID RIM = 12.66 INV = 6.35, W INV = 3.85, SE (CONNECTION TO STORAGE PIPES)	14	84 LIN FT RCP SS, 12" @ 1.00%	25	STORM CLEANOUT, 6" RIM = 11.33 INV = 8.13	34	55 LIN FT RCP SS, 12" @ 1.00%
6	20 LIN FT RCP SS, 30" @ 0.00%	15	PROP. 4" DIA INLET TYPE E RIM = 11.80 INV = 6.04, W	26	5 LIN FT SS PVC SDR-26, 6" (ROOF DRAIN) @ 2.73% INV @ ST-20 = 8.51 INV @ BLDG = 8.65	35	PROP. 4" DIA MH, CLOSED LID RIM = 12.96 INV = 9.30, S/NW
7	PROP. 4" DIA CB, CLOSED LID RIM = 12.03 INV = 3.85, NW (CONNECTION TO STORAGE PIPES) INV = 4.74, S/E	16	11 LIN FT PVC SDR-26, 8" @ 2.73%	27	STORM CLEANOUT, 6" RIM = 13.11 INV = 9.69	36	44 LIN FT SS PVC SDR-26, 6" @ 2.47%
8	1 LIN FT RCP SS, 12" @ 1.00%	17	PROP. 4" DIA MH, CLOSED LID RIM = 11.67 INV = 4.15, SW/N	28	5 LIN FT SS PVC SDR-26, 6" (ROOF DRAIN) @ 2.73% INV @ ST-20 = 9.61 INV @ BLDG = 9.75	37	PROP. 4" DIA INLET TYPE E RIM = 11.71 INV = 10.39, SE/N
9	PROP. 4" DIA INLET TYPE E RIM = 10.96 INV =	18	7 LIN FT PVC SDR-26, 8" @ 2.73%	29	STORM CLEANOUT, 6" RIM = 12.89 INV = 10.50	38	7 LIN FT SS PVC SDR-26, 6" (ROOF DRAIN) @ 2.47% INV @ BLDG = 10.56

STANDARD SOIL EROSION AND SEDIMENTATION CONTROL MEASURES:

- CONTROL MEASURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE STATE OF FLORIDA UNLESS SPECIFIED OTHERWISE.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE DISTURBED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL STABILIZATION IS ACHIEVED.
- SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE TYPE OF TEMPORARY OR PERMANENT MEASURES.
- STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY. SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRASSES TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.
- THE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. SEDIMENTATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.
- SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.
- STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 7 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 14 WORKING DAYS OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NOT LATER THAN 14 CALENDAR DAYS, FROM THE INITIATION OF STABILIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED BELOW.
 - WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE; AND
 - IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.
- DISTURBANCE OF STEEP SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKED IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR AN EQUIVALENT CONTROL MEASURE.
- PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL BE PROVIDED.
- THE STORMWATER MANAGEMENT SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF ENTER THE INLET SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.
- IF DEWATERING SERVICES ARE USED, DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g., SEDIMENT TRAP OR AN EQUIVALENT CONTROL MEASURE). THE ENFORCEMENT OFFICER SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION OF THE DEVELOPMENT SITE IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NECESSARY. TRAPPED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED.
- STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM THE FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. SOILS AND MATERIALS STOCKPILED INWC OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.
- EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO:
 - MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, AND WHEEL WASH WATER, AND OTHER WASH WATER; AND
 - MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZER, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON A DEVELOPMENT SITE TO PRECIPITATION AND STORMWATER.
- ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITING OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE APPLICANT SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL OR INWC. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.
- THE ENFORCEMENT OFFICER MAY REQUIRE ADDITIONAL OR ALTERNATE SOIL EROSION AND SEDIMENT CONTROL MEASURES, BASED ON DEVELOPMENT SITE SPECIFIC CONSIDERATIONS AND THE EFFECTIVENESS OF THE INSTALLED CONTROL MEASURES.

EROSION CONTROL NOTES:

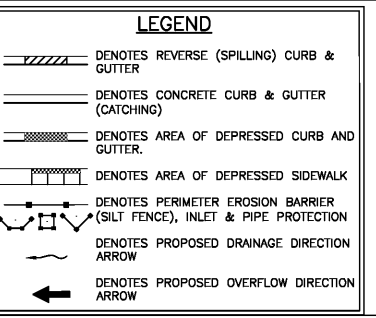
- ALL SEDIMENTATION AND EROSION CONTROL REGULATIONS SHALL COMPLY WITH THE STANDARDS AND REQUIREMENTS BY THE STATE OF FLORIDA.
- NO LAND DISTURBING ACTIVITIES SHALL COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES. NOTIFY THE CITY OF TAMPA AT LEAST 48-HOURS PRIOR TO LAND DISTURBING ACTIVITIES.
- UTILIZE EXCELISIOR BLANKET OR SOD ON ALL SLOPES OF 5:1 OR GREATER.
- ALL STREETS AND DRIVEWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- IF ANY ADDITIONAL SOIL EROSION MEASURES ARE DEEMED NECESSARY BY THE CITY ENGINEER OR HIS REPRESENTATIVE, THESE MEASURES MUST BE IMMEDIATELY IMPLEMENTED BY THE CONTRACTOR.
- REMOVE ALL DEBRIS TRANSFERRED INTO THE ROW, SHARED DRESS/EGRESS ACCESSES OR ADJOINING PROPERTY AT THE END OF EACH WORK DAY.

PHASING NOTES:
SEQUENCE OF MAJOR ACTIVITIES

- INSTALL PERIMETER SILT FENCE AND INLET PROTECTION.
- TREE REMOVAL AND TRANSPLANTING, WHERE NECESSARY
- STRIP AND STOCKPILE TOPSOIL, STABILIZE STOCKPILES WITHIN 1 DAY.
- CONTINUE GRADING, STABILIZE COMPLETED AREAS WITH PERMANENT STABILIZATION OR INACTIVE AREAS (INCLUDING MASS GRADED LOTS) WITH TEMPORARY STABILIZATION WITHIN 1 DAY.
- INSTALL UTILITIES.
- APPLY STONE TO PARKING AREA
- CONSTRUCT BUILDING
- COMPLETE GRADING AND INSTALL PERMANENT SEED, SOD, AND PLANTINGS.
- COMPLETE FINAL PAVING.
- WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, SOD/SEED ALL REMAINING DISTURBED AREAS.
- REMOVE ALL TEMPORARY EROSION CONTROL MEASURES ONCE VEGETATION REACHES 70% COVERAGE.
- CONTRACTOR SHALL ADHERE TO ALL PROVISIONS AND REQUIREMENTS NOTED IN THE STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT

INSPECTION NOTES:

- INSTALL EROSION CONTROL MEASURES AS APPROVED BY ENVIRONMENTAL OR STORMWATER AND AS SHOWN ON PLANS. WHEN INSTALLING SILT FENCE, DO NOT TRENCH UNDER TIRES. PLEASE BE AWARE THAT EROSION CONTROL IS PERFORMANCE BASED AND THAT ADDITIONAL EROSION CONTROL MAY BE REQUIRED IF ANYTHING OTHER THAN CLEAN STORMWATER IS LEAVING THE SITE.
- ONCE THE EROSION CONTROL MEASURES ARE INSTALLED, THE CONTRACTOR SHALL SCHEDULE AN EROSION CONTROL 734 INSPECTION. PLEASE BE AWARE THE EROSION CONTROL MUST BE INSTALLED AND INSPECTED PRIOR TO LAND RESOURCE APPROVAL OF THE PERMIT. THERE ARE THREE OPTIONS TO SCHEDULE THE INSPECTION. (1) ONLINE AT Epermit.MYCLEARWATER.COM CALLING PLANNING AND DEVELOPMENT MAIN NUMBER AT 727-562-4567 (2) CALLING THE 24-HOUR INSPECTION LINE AT 727-562-4580.



WATER QUALITY STORAGE:

- NET NEW IMPERVIOUS ONSITE = 4,606 SF
- STORAGE VOLUME REQUIRED = 0.5" X 4,606 SF = 192 CF
- PROPOSED STORAGE VOLUME = 196 CF

GENERAL NOTES:

- ACCESSIBLE PARKING, RAMPS, AND SIGNAGE SHALL COMPLY WITH ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.
- 1 WEEK PRIOR TO CONSTRUCTION WITHIN CITY ROW OR ANY CONNECTION TO PUBLIC SEWERS, CONTRACTOR SHALL NOTIFY THE APPROPRIATE CITY ENGINEERING DIVISIONS.
- CONTRACTOR TO VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS. PLACE 3/4 INCH EXPANSION JOINT BETWEEN ALL P.C.C. PAVEMENT/ SIDEWALKS AND BUILDING. PLACE 1/2 INCH EXPANSION JOINT BETWEEN SIDEWALKS AND P.C.C. PAVEMENT. CUT/TRIM NEOPRENE EXPANSION JOINTS TO BE FLUSH WITH SURFACE.
- ALL PROPERTY PINS SHALL BE PROTECTED FROM GRADING OR OTHER OPERATIONS. ANY PINS DISTURBED SHALL BE RESET AT THE CONTRACTOR'S EXPENSE.
- DO NOT STORE CONSTRUCTION MATERIALS AND EQUIPMENT IN THE RIGHT-OF-WAY.
- THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY AREAS OF PAVEMENT OR SIDEWALK NOT TO BE REMOVED THAT IS DAMAGED DUE TO OPERATING EQUIPMENT ON THE PAVEMENT OR SIDEWALK.
- CONTRACTOR MAY BE REQUIRED TO PLACE TEMPORARY WARNING DEVICES AND SAFETY FENCE AT CERTAIN LOCATIONS WHERE REPLACEMENT FEATURES ARE NOT INSTALLED THE SAME DAY, AS DIRECTED BY THE ENGINEER OR THE CITY.
- ALL CONSTRUCTION WITHIN PUBLIC ROW/EASEMENTS AND/OR ANY CONNECTION TO PUBLIC SEWERS AND STREETS, SHALL COMPLY WITH THE CITY CONSTRUCTION SPECIFICATIONS FOR SUBDIVISIONS AND LATEST EDITION OF FDOT DESIGN STANDARDS
- ALL EXISTING UTILITY TRENCHES THAT ARE PROPOSED TO BE WITHIN PAVEMENT AREAS SHALL BE EXPOSED AND BACKFILLED WITH APPROVED AGGREGATE MATERIAL
- ALL ELEVATIONS FOR CURB AND GUTTER LOCATED AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.



NO.	DATE	BY	REVISION DESCRIPTION

ILLINOIS DESIGN FIRM
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420 N. FRONT STREET, SUITE 100
MCHEENY, IL 60050
PHONE: 815.385.1778
FAX: 815.385.1781

HRGreen

CAR CARE PLUS CENTER
AAA - AMERICAN AUTOMOBILE ASSOCIATION
1701 N. WESTSHORE BLVD., TAMPA, FL 33607
CIVIL
GRADING & EROSION CONTROL PLAN

BAR IS ONE INCH ON OFFICIAL DRAWINGS
0 1" = 1"
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

DRAWN BY: ERN
APPROVED: JVF
JOB DATE: 06/20/2018
JOB NO: 160122

DRAWING
C-04

PRELIMINARY
NOT FOR CONSTRUCTION