

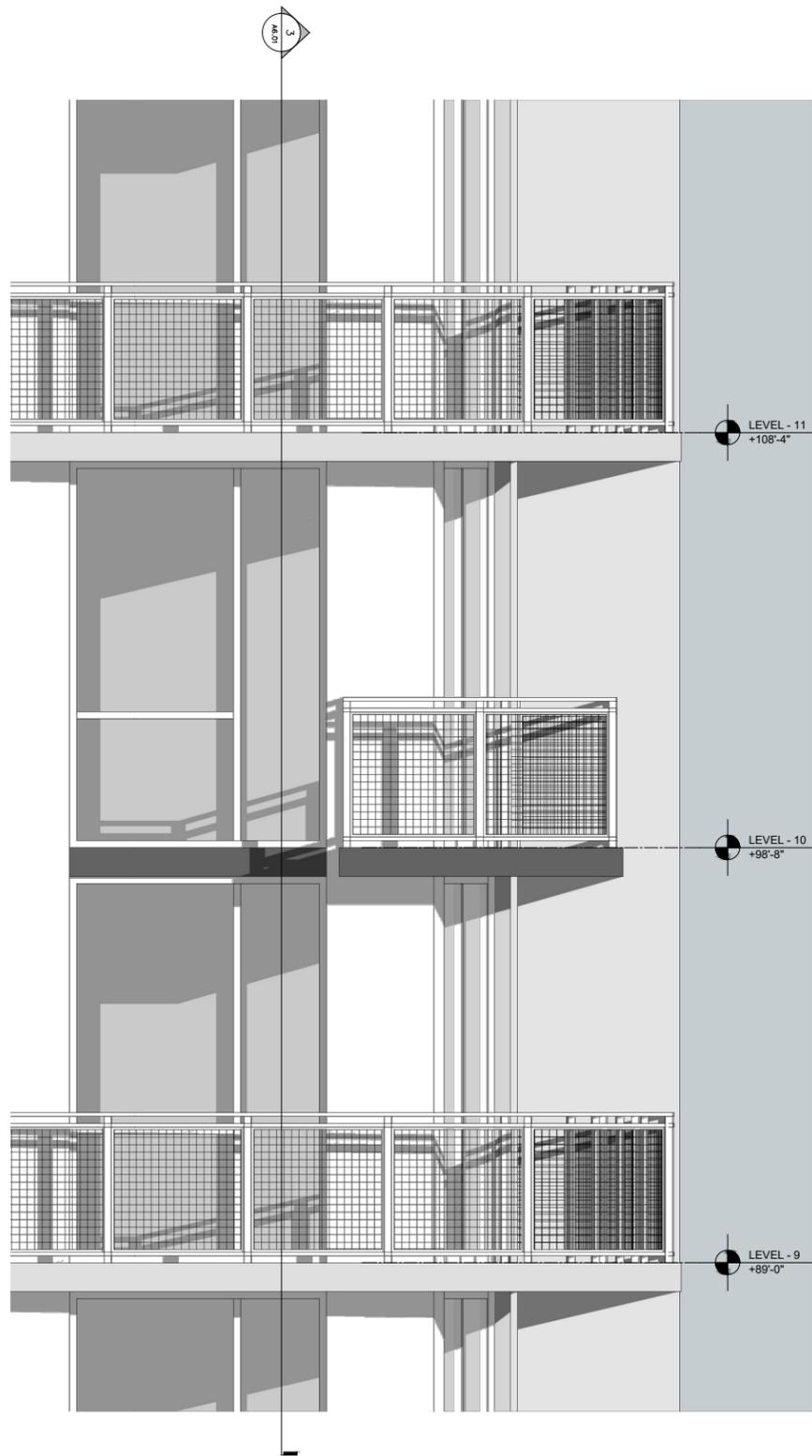


N I N E H O L L Y W O O D
320 South Federal Highway, Hollywood, FL
January 22, 2019

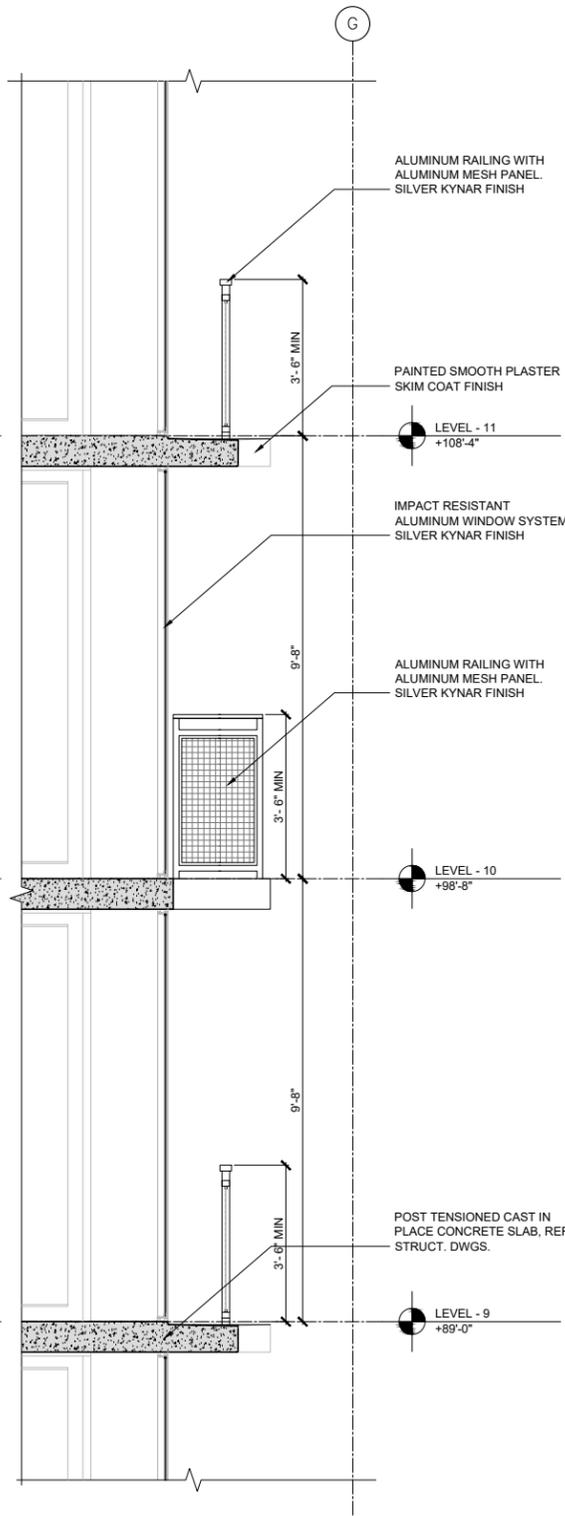


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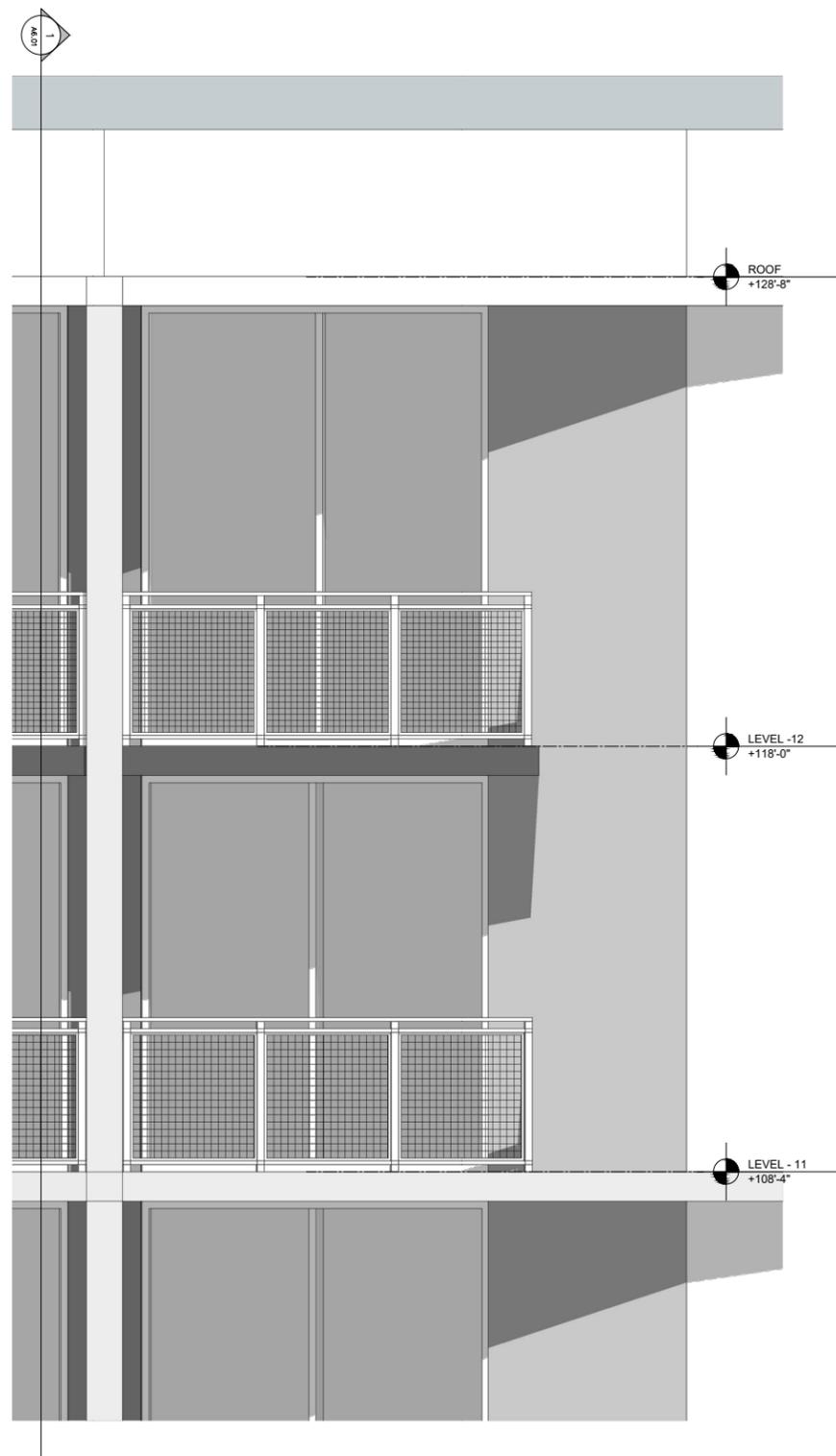
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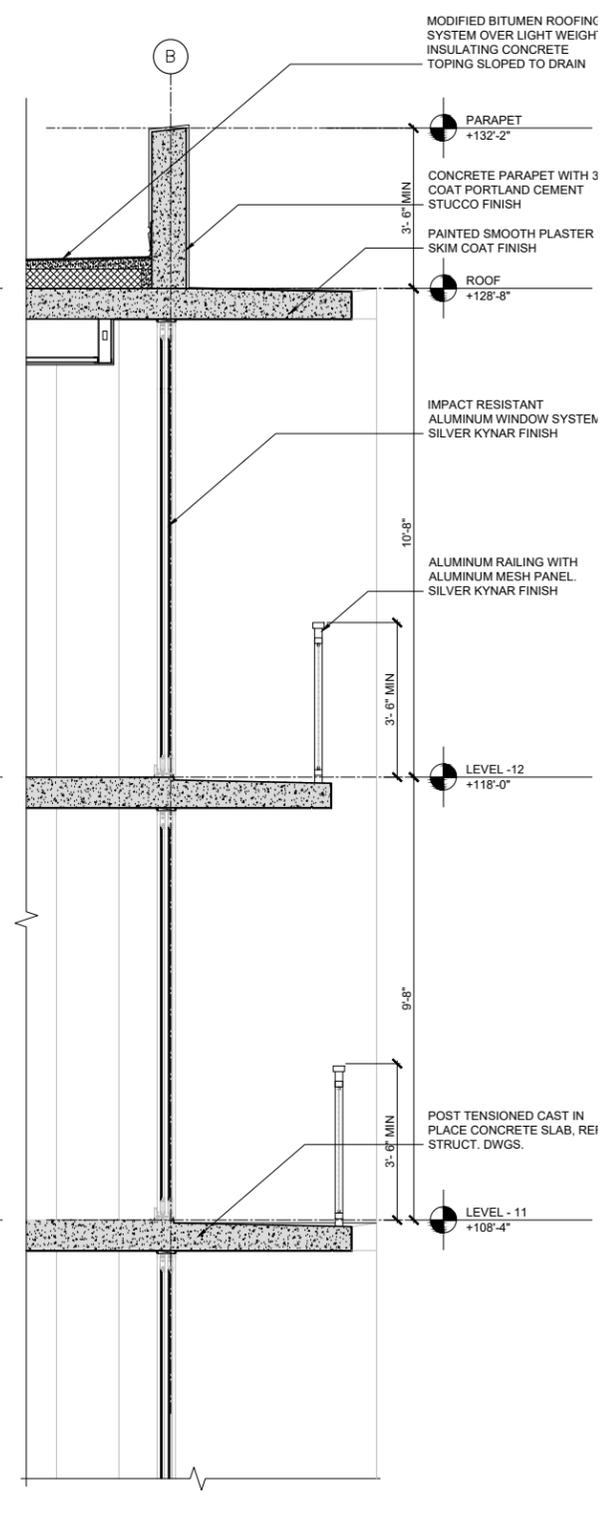
Elevation Detail - 4



Wall Section - 3



Elevation Detail - 2



Wall Section - 1

NINE HOLLYWOOD
 320 South Federal Highway, Hollywood, FL
 January 22, 2019

GENERAL PROVISIONS

1. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL AVAILABLE REGULATORY AGENCY PERMITS AND LOCAL AGENCY PERMITS.
2. ALL CONSTRUCTION PROJECTS 1 OR MORE ACRES IN SIZE THAT DISCHARGE TO WATERSHEDS ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GRANTS. PERMITS FROM SMALL AND LARGE CONSTRUCTION ACTIVITIES. IN ORDER TO MEET NPDES REQUIREMENTS, THE CONTRACTOR IS RESPONSIBLE FOR PREPARING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP), IMPLEMENTING, INSPECTING, MAINTAINING, AND REPORTING ON ALL ELEMENTS OF THE SWPPP. COMPLETION AND SUBMITTAL OF THE REQUIRED NOTICE OF INTENT AND NOTICE OF CONSTRUCTION, AND FILING ALL ASSOCIATED FEES FOR PROJECTS LESS THAN 1/4 ACRE IN SIZE THAT ARE NOT REQUIRED TO COMPLY WITH THE NPDES GENERAL PERMIT. THE CONTRACTOR IS STILL RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS AND ANY OTHER REQUIREMENTS.
3. UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL USE THE METHODOLOGY PROVIDED ON THE CONSTRUCTION PLANS. BROADBAND INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER OR OTHERWISE NOTED ON REFERENCES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROADBAND TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
4. BASE SURVEY INFORMATION INCLUDING BUT NOT LIMITED TO ELEVATIONS, EASEMENTS, RIGHTS OF WAY, AND OTHER TOPOGRAPHIC INFORMATION HAS BEEN PREPARED BY OTHER PROFESSIONALS. SCAUER ENGINEERING, INC. IS NOT RESPONSIBLE FOR THE ACCURACY OR INFORMATION OF THIS INFORMATION.
5. THESE SET OF PLANS MAY CONTAIN DRAWINGS PREPARED BY OTHER PROFESSIONALS, WHICH CONTAIN THE NAME, ADDRESS, AND LOGO OF THE PROFESSIONAL, SCAUER ENGINEERING, INC. IS NOT RESPONSIBLE FOR DRAWINGS PREPARED BY OTHER PROFESSIONALS.
6. THE CONTRACTOR SHALL SUBMIT 6 COPIES OF SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION. PRIOR TO SUBMITTAL, THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL DIMENSIONS AND FIELD CONDITIONS WITH THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND SHALL COORDINATE THE SHOP DRAWINGS WITH THE REQUIREMENTS FOR OTHER RELATED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERRORS AND OMISSIONS IN SUBMITTALS IS NOT RELIED UPON BY THE ENGINEER. REVIEW OF SUBMITTALS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, OF THE DATE OF SUBMISSION, OF DEVIATIONS TO SUBMITTALS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
7. PROJECT BENCHMARKS, PROPERTY CORNERS, AND OTHER SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. IF MARKER NEEDS TO BE REMOVED IT SHALL BE REFERENCED BY LICENSED LAND SURVEYOR AND REPLACED AS NECESSARY, BY SAME.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL QUALITY CONTROL TESTING. AS A MINIMUM, TESTING SHALL INCLUDE A) PILING AND STRUCTURAL EVALUATION; B) SOILING AND BACKFILL MATERIALS AND DENSITY TESTS; B) DETERMINATION OF QUALITY CONTROL NEEDED FOR COMPLIANCE WITH THE DENSITY REQUIREMENTS; C) PORTLAND CEMENT CONCRETE AND ASPHALT PAVING QUALITY CONTROL; TESTING INCLUDING DESIGN MIXTURE REVISION MATERIALS, FIELD RAMP AND AIR CONTENT, AND FIELD RAMP COMBUSTION TESTS; AND D) TESTING OF CONCRETE AND ASPHALT PAVING QUALITY CONTROL.
9. IN ADDITION TO QUALITY CONTROL TESTING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED TESTING OR APPROVALS FOR ANY WORK (OR ANY PART THEREOF) IF ASKS FOR REGULATIONS OF ANY PUBLIC BODY HAVING JURISDICTION SPECIFICALLY REQUIRING TESTING, INSPECTIONS OR APPROVAL. THE CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION THEREWITH AND SHALL FURNISH THE OWNER AND ENGINEER THE REQUIRED CERTIFICATES OF INSPECTION, TESTING, INSPECTIONS, APPROVALS.
10. ANY DESIGN OR TESTING LABORATORY USED BY THE CONTRACTOR SHALL BE AN INDEPENDENT LABORATORY ACCEPTABLE TO THE OWNER AND THE ENGINEER. APPROVED IN WRITING, AND COMPLYING WITH THE LATEST EDITION OF THE RECOMMENDED PROCEDURES FOR INDEPENDENT LABORATORY QUALIFICATION, PUBLISHED BY THE AMERICAN COLLEGE OF INDEPENDENT LABORATORIES.
11. TESTING RESULTS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS.
12. THE ENTIRE PROJECT SITE SHALL BE THOROUGHLY CLEANED AT THE COMPLETION OF THE WORK. CLEAR ALL INSTALLED PIPELINES, STRUCTURES, SIDEWALKS, PAVED AREAS, ACCUMULATED SOIL IN PONDS, PULL ALL ADJACENT AREAS AFFECTED BY CONSTRUCTION, AS DIRECTED BY THE OWNER OR JURISDICTIONAL AGENCY. EQUIPMENT TO CLEAN THESE SURFACES SHALL BE SUBJECT TO APPROVAL BY THE OWNER.

UTILITY GENERAL NOTES

1. THE UTILITY DATA SHOWN ON THESE PLANS IS LOCATED BY THE RESPECTIVE UTILITY, OR IS BASED ON UTILITY DRAWINGS, MAPS, OR FIELD RECORDINGS.
2. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ADJUSTMENTS FOR FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL ENSURE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY. WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY, ANY UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE CLOSELY COORDINATED WITH THE ENGINEER AND THE RESPECTIVE UTILITY COMPANY BEFORE CONSTRUCTION OR PRIOR TO INSTALLATION.
3. A SINGLE POINT UTILITY IDENTIFICATION SERVICE HAS BEEN SET UP FOR EXISTING UTILITIES. THE CONTRACTOR IS TO CONTACT THE SUNSHINE STATE ONE CALL CENTER BY DIALING "811" AT LEAST TWO (2) AND NO MORE EXCESSIVE THAN WORKING HOURS PRIOR TO FIELD LOCATIONS. NOTE THAT NOT ALL UTILITIES PARTICIPATE IN THIS PROGRAM. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES WITH THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES SEPARATELY FOR FIELD LOCATIONS OF THEIR FACILITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION PER FLORIDA STATUTE §85.851. THE CONTRACTOR OR EXCAVATOR IS RESPONSIBLE TO NOTIFY THE GAS COMPANY TWO (2) WORKING DAYS PRIOR TO STARTING EXCAVATION.
4. THE CONTRACTOR SHALL KEEP RECORD BOOKS UP TO DATE AT ALL TIMES.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH ALL UTILITY AND ALL COSTS ASSOCIATED WITH THE PROTECTION OF EXISTING FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO COORDINATE NECESSARY RELOCATIONS OR OTHER PROTECTION RELATED MATTERS WITH EACH UTILITY.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING PIPES ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE DRAWINGS, ANY PIPING WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT AFFECTING OPERATION OF SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE OWNER AND THE ENGINEER.
7. TYPICAL DETAILS AS SHOWN AND TO ILLUSTRATE THE ENGINEER'S INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY ALTER THE METHODS OF INSTALLATION TO SUIT FIELD CONDITIONS. THE CONTRACTOR SHALL SUBMIT A PROPOSAL, FOR AN ALTERNATE METHOD, TO THE ENGINEER FOR APPROVAL. ANY MATERIALS AND METHODS SHALL BE APPROVED BY THE SPECIFICATIONS.
8. FOR EACH RESPECTIVE PIPELINE CONSTRUCTION REQUIRED, THE CONTRACTOR SHALL FIELD VERIFY THE UTILITY LOCATION, DEPTH, AND ALIGNMENT OF ALL EXISTING PIPES, CABLES, ETC. TO BE CROSSED OR CONNECTED TO. THE CONTRACTOR SHALL FIELD VERIFY THE UTILITY LOCATION, DEPTH, AND ALIGNMENT OF ALL EXISTING PIPES, CABLES, ETC. TO BE CROSSED OR CONNECTED TO. (A) IF A RELOCATION OF EXISTING UTILITIES, THEN DETAILS OF SUCH DEPARTURES, RELOCATIONS, OR ADDITIONAL FITTINGS, INCLUDING CHANGES IN RELATED PORTIONS OF THE PROJECT AND THE REASONS THEREFOR, SHALL BE SUBMITTED WITH SHOP DRAWINGS. APPROVED DEPARTURES FOR THE CONTRACTOR'S CONVENIENCE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
9. THE CONTRACTOR SHALL PROVIDE HIS OWN EXTENSIVE ALL NECESSARY TEST PUMPS, EQUIPMENT, WATER, WATER METERS, PRESSURE GAUGES, AND OTHER EQUIPMENT MATERIAL, AND FACILITIES REQUIRED FOR ALL HYDROSTATIC LEAKAGE AND PRESSURE TESTING. THE CONTRACTOR SHALL CONTACT THE ENGINEER IN WRITING FOUR (4) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRETESTING PRIOR TO NOTIFICATION.

AS-BUILT DRAWING REQUIREMENTS

1. AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE OWNER THREE WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED AND DATED BY THE RESPONSIBLE PROFESSIONAL.
2. AT THE COMPLETION OF THE WORK, DELIVER THE DRAWINGS DOCUMENTING AS-BUILT INFORMATION, MEASURED BY A LICENSED SURVEYOR, TO THE ENGINEER, IN GOOD CONDITION AND FREE FROM ANY EXTRANEOUS INFORMATION, THE AS-BUILT INFORMATION IS TO INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
 - A. HORIZONTAL, LOCATIONS AND VERTICAL ELEVATIONS FOR ALL UTILITY AND STORM STRUCTURES INCLUDING BUT NOT LIMITED TO MANHOLES, INLETS AND CLEANOUTS, INCLUDING STRUCTURE TOP AND INVERT ELEVATIONS.
 - B. DISTANCE ALONG PIPELINES BETWEEN STRUCTURES.
 - C. STORMWATER POND TOP OF BERM AND POND BOTTOM ELEVATIONS AND HORIZONTAL DIMENSIONS MEASURED AT A MINIMUM OF TEN LOCATIONS PER POND, AT LOCATIONS DESIGNATED BY THE ENGINEER. TOP OF POND HORIZONTAL DIMENSIONS ARE ALSO TO BE TO THE CENTERLINE OF THE POND.
 - D. STORMWATER CONTROL, STRUCTURE DIMENSIONS AND ELEVATIONS, INCLUDING ALL WEIRS, SLOTTED ORifices, GRATES, AND SHIMMERS.
 - E. STORMWATER CONVEYANCE SYSTEMS INCLUDING DIMENSIONS, ELEVATIONS, CONTOURS, AND CROSS SECTIONS.
 - F. HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF ALL UTILITY VALVES, FITTINGS, CONNECTION POINTS, ETC.
 - G. VERTICAL ELEVATIONS OF ALL PIPELINES AT CROSSINGS OF POTABLE WATER MAINS (WHETHER THE WATER MAIN IS EXISTING OR NEW) IN ORDER TO DOCUMENT THAT THE MINIMUM REQUIRED VERTICAL SEPARATION HAS BEEN MET.
 - H. UTILITY PIPELINE TIE-INS LOCATIONS AND EDGE OF PAVEMENT AND RIGHT-OF-WAY LINES. LOCATED EVERY 200 FT PLUS ALL CHANGES IN HORIZONTAL OR HORIZONTAL OFFSET.
 - I. PAVEMENT WIDTHS AND ELEVATIONS TO THE CENTERLINE AND EDGE OF PAVEMENT EVERY 200 FEET PLUS AT ALL CHANGES IN LONGITUDINAL, CROSS, CROSS SLOPE, INLET LOCATIONS, AND AT ALL DRIVEWAYS AND STREET INTERSECTIONS. FOR PAVED LOTS, CENTERLINE AND EDGE OF PAVEMENT ELEVATIONS ALONG ALL DRIVEWAYS AND ISLANDS.
 - J. ALL PARKING AREAS AND SIDEWALK RAMPS DESIGNATED FOR HANDICAPPED ACCESS SHALL CONTAIN HORIZONTAL AND VERTICAL MEASUREMENTS IN ORDER TO VERIFY REQUIRED WIDTHS AND SLOPES HAVE BEEN MET.
 - K. HORIZONTAL AND VERTICAL DATA FOR CONSTRUCTION THAT DEVIATES FROM THE APPROVED ENGINEERING DRAWINGS.
 - L. WHERE THE PLANS CONTAIN SPECIFIC HORIZONTAL LOCATION DATA, SUCH AS STATION AND OFFSET, THE AS-BUILT DRAWINGS ARE TO REFLECT THE ACTUAL HORIZONTAL LOCATION.
 - M. WHERE THE PLANS CONTAIN SPECIFIC VERTICAL LOCATION DATA, THE AS-BUILT DRAWINGS ARE TO REFLECT THE ACTUAL MEASURED VERTICAL LOCATION.

EROSION AND SEDIMENT CONTROL

1. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PROVIDED AND INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION. SEDIMENT CONTROL CONSISTS OF Silt FENCINGS AND PLACING TURBIDITY BARRIERS PER FOOT INCH NO. 102 AND NO. 103. EROSION CONTROL CONSISTS OF BARRIERS OF SEEDING AND MULCHING, LOGS, WETTED BARRIERS, PLACEMENT OF COARSE AGGREGATE, TEMPORARY PAVING.
2. MAINTAIN TEMPORARY EROSION CONTROL SYSTEMS AS DIRECTED BY OWNER OR GOVERNING AUTHORITIES TO CONTROL EROSION AND ILLATION DURING LIFE OF CONTRACT. OWNER HAS AUTHORITY TO LIMIT PROTECTED AREA OF EROSION CONTROL MATERIALS EXPOSED BY CLEANING AND GRUBBING, TRENCHING, BORROW AND EMBANKMENT OPERATIONS. OWNER ALSO HAS AUTHORITY TO DIRECT CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
3. CONTRACTOR SHALL RESPOND TO EROSION AND SEDIMENT CONTROL, MAINTENANCE REQUIREMENTS OR IMPLEMENT ADDITIONAL MEASURES TO CONTROL EROSION ORDERED BY OWNER OR GOVERNING AUTHORITIES WITHIN 48 HOURS OR SOONER IF REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR WILL BE REQUIRED TO INCORPORATE PERMANENT EROSION CONTROL FEATURES INTO PROJECT AT EARLIEST PRACTICAL TIME TO MINIMIZE NEED FOR TEMPORARY CONTROLS.
5. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS REPRESENT A MINIMUM REQUIREMENT. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES NEEDED IN ORDER TO PREVENT THE TRANSPORT OF SEDIMENT FROM THE PROJECT AREA AND PREVENT THE EROSION OF SURFACES DURING CONSTRUCTION, AS NEEDED TO PROTECT ADJACENT PROPERTIES AND WATER BODIES.
6. GRASS ALL DISTURBED AREA WITHIN 7 DAYS OF INITIAL DISTURBANCE. TYPE OF GRASSING SHALL BE AS FOLLOWS: TEMPORARY GRASSING TO BE SEEDING AT ALL DRAINAGE STRUCTURES, RETENTION BASINS, SWALES AND DITCHES, AND OTHER AREAS WHERE SLOPES ARE STEEPER THAN 1:1. TEMPORARY GRASSING CAN BE SEED AND MULCH AT ALL OTHER LOCATIONS UNLESS OTHERWISE INDICATED IN THE DRAWINGS OR SPECIFICATIONS.
7. INSPECT EVERY TWO WEEKS DURING CONSTRUCTION. REMOVE ANY SEDIMENT BUILDUP, REPAIR AND REINSTALL ANY DAMAGED OR MISSING SEDIMENT CONTROL MEASURES. INSTALL ADDITIONAL MEASURES IF INSPECTION REVEALS ADDITIONAL SEDIMENTATION CONTROL IS NECESSARY.
8. AREAS TO BE PAVED SHALL BE TREATED WITH A BIUMINOUS PRIME COAT AND SANDED TO FINISH EROSION WHERE PAVING IS SCHEDULED TO OCCUR MORE THAN 48 HOURS AFTER INSTALLATION OF BASE COURSE. AREAS TO RECEIVE CONCRETE PAVING SHALL BE EITHER PROTECTED WITH A LAYER OF FOOT COARSE AGGREGATE MATERIAL OR SHALL BE PAVED WITHIN 48 HOURS OF INSTALLATION OF THE SUBGRADE. INSTALL FINAL SURFACE COURSES WITHIN 14 DAYS AFTER REMOVAL OF EXISTING PAVEMENT.
9. TRAFFIC CONTROL
1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A MAINTENANCE OF TRAFFIC (M.O.T.) PLAN PRIOR TO CONSTRUCTION. THE M.O.T. PLAN SHALL SHOW ALL PROPOSED TRAFFIC CONTROL, SIGNS, PAVEMENT MARKINGS, AND BARRICADES, AND SHALL DETAIL ALL PROPOSED CONSTRUCTION SEQUENCING. THE M.O.T. PLAN SHALL BE APPROVED BY THE ENGINEER, OWNER, AND ROADWAY JURISDICTIONAL AGENCY PRIOR TO CONSTRUCTION. ALL PROPOSED ROADWAY AND DRIVEWAY LANE CLOSURES SHALL BE RESTRICTED TO THE HOURS BETWEEN 10:00 AM AND 4:00 P.M. UNLESS OTHERWISE AUTHORIZED IN THE APPROVED M.O.T.
2. ALL CONSTRUCTION SIGNING AND MARKINGS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH FOOT INCH NO. 600 AND THE NATIONAL ON-URM TRAFFIC CONTROL DEVICES (MUTCD). THE PLACEMENT OF THE SIGNING AND MARKINGS SHALL BE APPROVED IN THE FIELD BY THE ENGINEER THROUGHOUT CONSTRUCTION.
3. INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PROPER PLACEMENT OF BARRICADES AND FUNCTION OF LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION.
4. CONTRACTOR PROPERTY OWNERS AFFECTED BY CONSTRUCTION. COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING. MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING CONSTRUCTION.
5. NET UNSTABLE AREAS AS NECESSARY TO CONTROL DUST.
6. ADJUST TRAFFIC CONTROL DEVICES AS REQUIRED UNDER EMERGENCY CONDITIONS.
7. THE CONTRACTOR IS EXPECTED TO COORDINATE ITS ACTIVITIES WITH OTHER CONTRACTORS WHO MAY BE WORKING IN THE IMMEDIATE VICINITY.
8. WHEN WORK OCCURS WITHIN 15 FT OF ACTIVE ROADWAY LANES BUT IS NO CLOSER THAN 5 FT FROM THE EDGE OF PAVEMENT, SIGNS AND WARNING DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH FOOT INCH NO. 600 AND 602. FOR A 2-LANE ROADWAY AND PER INCHES 602 FOR A 4-LANE HIGHWAY.
9. TYPE I OR TYPE II BARRICADES AT 20 FT CENTERS SHALL BE PLACED AND MAINTAINED ALONG THE EDGE OF THE ROAD WHEREVER DRUG-GROFFS OR OTHER HAZARDS EXIST AND TO BLOCK ENTRANCE INTO COMPLETED OR PARTIALLY COMPLETED PAVEMENT LOTS. SUCH PAVEMENTS ARE OPEN TO PUBLIC USE.

SITE PREPARATION

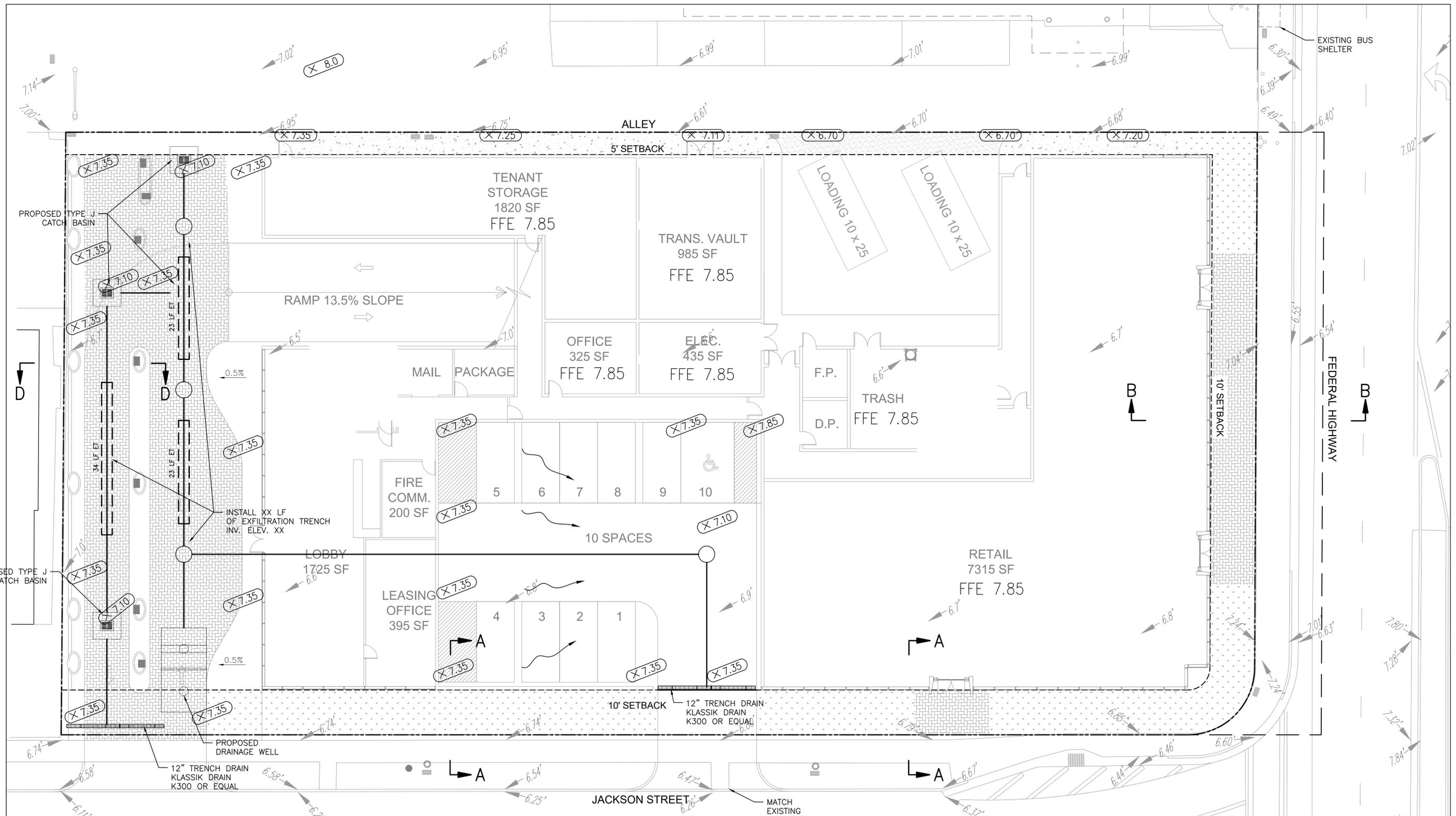
1. UNLESS OTHERWISE SPECIFIED BY THE OWNER OR ENGINEER, THE CONTRACTOR IS EXPECTED TO CONTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THE PROPERTY, RIGHT-OF-WAY, AND EASEMENTS AS INDICATED ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND TO OBTAIN ALL NECESSARY INFORMATION FROM THE PROPERTY OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR RECONSTRUCTION OF DAMAGED AREAS IN SURROUNDING PROPERTIES SHALL BE REPAIRED BY THE CONTRACTOR ON AN INTEREST-FREE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED.
2. STAKE OUT THE CONSTRUCTION, ESTABLISH LINES AND LEVELS, TEMPORARY BENCH MARKS, BATTER BOARDS, CONTROLLED AREAS, BENCHMARKS, EASEMENTS, AND REFERENCE POINTS FOR THE WORK, AND VERIFY ALL DIMENSIONS AND LOCATIONS OF THE CONSTRUCTION WITH THE ENGINEER. REPORT ANY INCONCRETEITIES IN THE PROPOSED GRADES, LINES AND LEVELS, DIMENSIONS AND LOCATIONS TO THE ENGINEER BEFORE COMMENCING WORK.
3. PROTECT ALL TREES AND SHRUBS LOCATED OUTSIDE THE RIGHT-OF-WAY, EASEMENTS, AND OWNER SURVEY PROPERTY, PARTICULARLY THOSE TREES AND SHRUBS LOCATED ADJACENT TO WORK AREAS.
4. WITHIN THE RIGHT-OF-WAY, EASEMENTS, AND OWNER SURVEY PROPERTY, THE INTENT IS TO ALLOW TREES AND SHRUBS TO REMAIN IN ACCORDANCE WITH THE FOLLOWING SCHEDULE. NEW ROADWAY CONSTRUCTION - TREES AND SHRUBS TO REMAIN WHERE LOCATED MORE THAN 15 FEET FROM THE BACK OF CURB, OR OUTSIDE THE LIMITS OF EXCAVATION OR FILL AREAS, WHOEVER IS FURTHER UTILITY PIPELINE CONSTRUCTION - TREES AND SHRUBS TO REMAIN OUTSIDE A 15 FOOT WIDE PATH CENTERED ON THE PIPELINE.
5. TREES TO REMAIN IN THE CONSTRUCTION AREA SHALL BE BOXED, FENCED OR OTHERWISE PROTECTED IN ACCORDANCE WITH DETAILS ON THE DRAWINGS. DO NOT PERMIT HEAVY EQUIPMENT OR STOOLPIES WITH BRANCHES TO ENTER.
6. AREAS TO RECEIVE CLEARING AND GRUBBING SHALL INCLUDE ALL AREAS TO BE OCCUPIED BY THE PROPOSED IMPROVEMENTS, AREAS FOR FILL AND SITE GRADING, AND BORROW SITES. REMOVE TREES OUTSIDE OF THESE AREAS ONLY AS INDICATED ON THE DRAWINGS OR AS APPROVED IN WRITING BY THE ENGINEER.
7. CLEARING SHALL CONSIST OF REMOVING TREES AND BRUSH AND DISPOSAL OF OTHER MATERIALS THAT ENDANGER PUBLIC OR OTHERWISE OBSTRUCT THE WORK.
8. EXERCISE EXTREME CARE DURING THE CLEARING AND GRUBBING OPERATIONS. DO NOT DAMAGE EXISTING STRUCTURES, PIPES OR UTILITIES.
9. GRUBBING SHALL CONSIST OF REMOVING AND DISPOSING OF STUMPS, LOGS LARGER THAN 1 IN DIAMETER, AND MATTED ROOTS. REMOVE TO A DEPTH OF NOT LESS THAN 18" BELOW THE ORIGINAL SURFACE LEVEL OF THE GROUND.
10. ALL COMBUSTIBLE DEBRIS AND REFUSE FROM SITE PREPARATION OPERATIONS SHALL BE REMOVED TO LEGAL OFFSITE DISPOSAL AREAS.

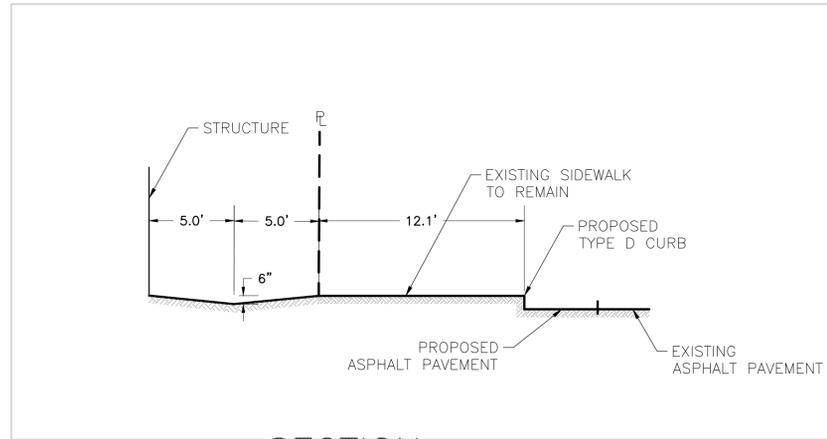
GRADING

1. GRADING SHOWN ON THESE PLANS ARE PROVIDED TO THE CONTRACTOR TO EXPRESS THE GENERAL GRADING INTENT OF THE PROJECT. THE CONTRACTOR SHALL BE EXPECTED TO GRADE THE ENTIRE SITE TO PROVIDE POSITIVE DRAINAGE IN ALL AREAS THROUGHOUT THE SITE. SMOOTH TRANSITIONS SHALL BE PROVIDED BETWEEN CONCERES OR SPOT ELEVATIONS AS SHOWN ON THE PLANS TO ACCORD WITH THE GRADING INTENT. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING HAS BEEN COMPLETED. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER PRIOR TO DEMOLITION OF GRADING EQUIPMENT TO DETERMINE THAT THE GRADING INTENT HAS BEEN ACHIEVED.
2. ALL PAVING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN PROXIMATELY AND TO PROVIDE A SMOOTHLY TRANSITIONED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BENDS IN GRADE, AND NO UNUSUALLY TIGHT OR REVERSE CROSS SLOPES. THE STANDARD CROWN MAY HAVE TO BE CHANGED IN ORDER TO DRAIN PROXIMATELY IN THE AREA OF INTERSECTIONS. IF IT IS THE CONTRACTOR'S RESPONSIBILITY TO RECONSTRUCT THE DRIVE AND THE ENGINEER SHALL BE NOTIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE PAVEMENT OR CIVIL SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS.
3. UNIFORM SMOOTH GRADE THE SITE. DEPRESSIONS FROM SETTLEMENT SHALL BE FILLED AND COMPACTED. TOP OF EMBANKMENTS AND BREAKS IN GRADE SHALL BE ROUNDED. FINISHED SURFACES SHALL BE DRAINAGE TO THE SLOPE OR TO THE CURB OR TO THE STREET OR TO THE DRAINAGE CANALS. FINISH GRADING SHALL BE TO THE SURFACE OF THE PAVED AREAS.
4. SLOPE GRADING TO DRAIN AWAY FROM STRUCTURES AT A MINIMUM OF 1/4 INCH PER FOOT FOR 10 FEET. FINISHED SURFACES ADJACENT TO PAVED AREAS AND WITHIN 10 FEET OF STRUCTURES SHALL BE WITHIN 1/8 INCH OF THE PROPOSED GRADE. ALL OTHER AREAS SHALL BE WITHIN 3/8 INCH OF THE PROPOSED GRADE.
5. NEWLY GRADED AREAS SHALL BE PROTECTED FROM TRAFFIC AND EXPOSURE. ALL SETTLEMENT OR SWELLING AFTER THAT MAY OCCUR FROM ANY CAUSE PRIOR TO SEEDING OR ACCEPTANCE SHALL BE REPAIRED AND GRADES RE-ESTABLISHED TO THE REQUIRED ELEVATIONS AND SLOPES AT NO ADDITIONAL COST TO THE OWNER.

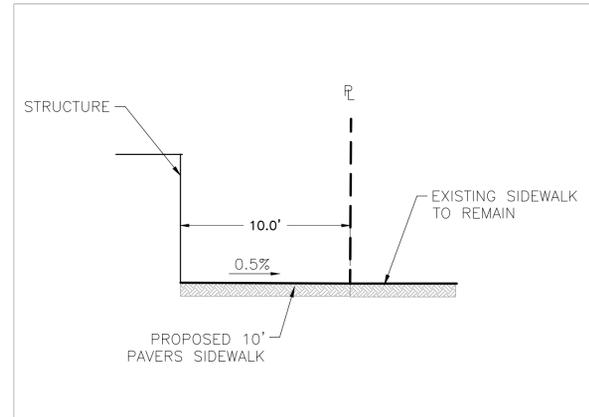
EXCAVATION, TRENCHING, AND FILL

1. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (FS 363-6553.65) AND MATERIAL CONSTRUCTION METHODS. NO MATERIAL COULD TO COMPLY WITH THESE LAWS SHALL BE IDENTICAL TO THE CONTRACT.
2. ROUTE EXCAVATE AND GRADE ANY PROPOSED TRENCHES FORWARD AT THE START OF SITE GRADING ACTIVITIES. DIRECT SITE TRAFFIC TO THE POND TO MAINTAIN RUNOFF TO DRAINAGE AREAS.
3. POND CONSTRUCTION SHALL RESULT IN THE FINISHED POND HAVING SLOPE SLOPES AND DIMENSIONS THAT ARE IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THAT THESE REQUIREMENTS HAVE BEEN MET. IF THE CONSTRUCTED SLOPE ARE STEEPER THAN THE REQUIRED SLOPE, OR THE POND VOLUME IS NOT WITHIN THREE (3) PERCENT OF THE DESIGN VOLUME, THE CONTRACTOR MAY BE REQUIRED TO MAKE CORRECTIONS TO THE POND AT AN ADDITIONAL COST TO THE OWNER.
4. FIELD DENSITY TESTING FREQUENCIES: A) ONE TEST FOR EACH 10,000 SQUARE FEET OF TRENCH THEREFOR PER FOOT OF GENERAL BACKFILL, MINIMUM 2 TESTS EACH LAYER. B) ONE TEST FOR EACH 100 SQUARE FEET OR FRACTION THEREOF OF BACKFILL AROUND UNDER STRUCTURES. C) ONE TEST FOR EACH 500 LINEAL FEET OF FRACTION THEREFOR PER FOOT OF GENERAL BACKFILL IN THE PIPELINE TRENCH. D) ONE TEST PER LIFT PER EACH CHANGE IN TYPE OF FILL. E) ONE TEST PER 1000 SQUARE FEET OF PAVEMENT SURFACE. MINIMUM OF 7 TESTS.
5. IF IT IS DETERMINED THAT PREVIOUSLY EXCAVATED MATERIALS CONFORM TO THE FOLLOWING REQUIREMENTS BE UTILIZED WHEREVER POSSIBLE:
 - A. ACCEPTABLE MATERIALS: ASPH/HT MIX CLASSIFICATION A-1, A-2, A-3, A-4, A-5, A-6, A-7, A-8, A-9, A-10, A-11, A-12, A-13, A-14, A-15, A-16, A-17, A-18, A-19, A-20, A-21, A-22, A-23, A-24, A-25, A-26, A-27, A-28, A-29, A-30, A-31, A-32, A-33, A-34, A-35, A-36, A-37, A-38, A-39, A-40, A-41, A-42, A-43, A-44, A-45, A-46, A-47, A-48, A-49, A-50, A-51, A-52, A-53, A-54, A-55, A-56, A-57, A-58, A-59, A-60, A-61, A-62, A-63, A-64, A-65, A-66, A-67, A-68, A-69, A-70, A-71, A-72, A-73, A-74, A-75, A-76, A-77, A-78, A-79, A-80, A-81, A-82, A-83, A-84, A-85, A-86, A-87, A-88, A-89, A-90, A-91, A-92, A-93, A-94, A-95, A-96, A-97, A-98, A-99, A-100, A-101, A-102, A-103, A-104, A-105, A-106, A-107, A-108, A-109, A-110, A-111, A-112, A-113, A-114, A-115, A-116, A-117, A-118, A-119, A-120, A-121, A-122, A-123, A-124, A-125, A-126, A-127, A-128, A-129, A-130, A-131, A-132, A-133, A-134, A-135, A-136, A-137, A-138, A-139, A-140, A-141, A-142, A-143, A-144, A-145, A-146, A-147, A-148, A-149, A-150, A-151, 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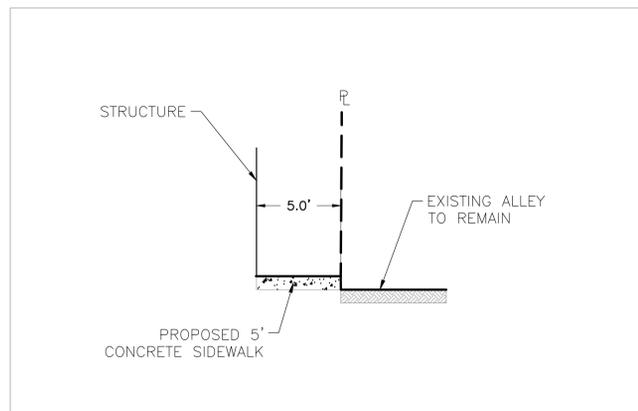




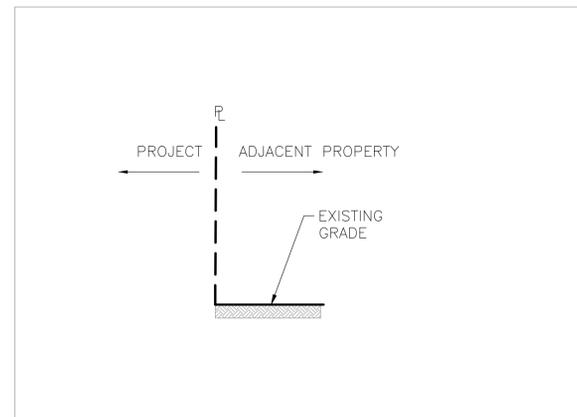
**SECTION
A-A**
SCALE: 1"=5'



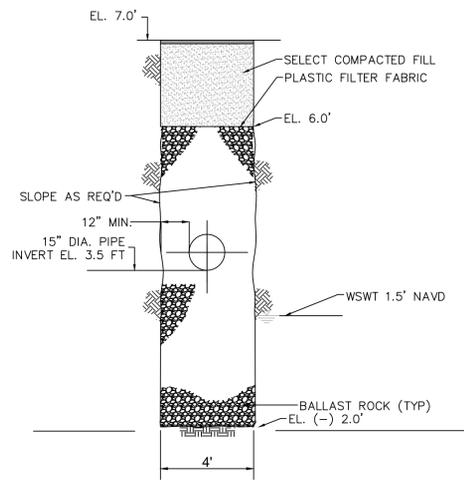
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B-B**
SCALE: 1"=5'



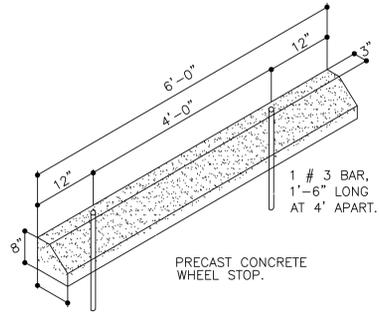
**SECTION
C-C**
SCALE: 1"=5'



**SECTION
D-D**
SCALE: 1"=5'

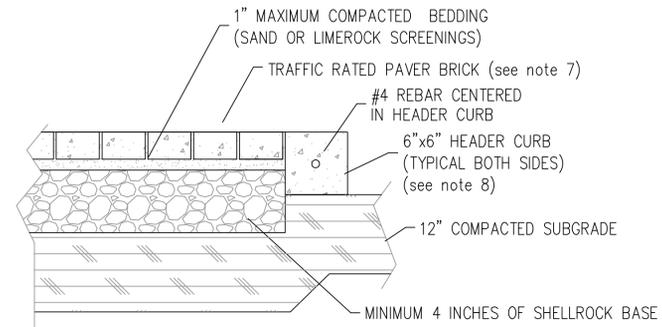


EXFILTRATION TRENCH
DETAIL 1
NTS STD

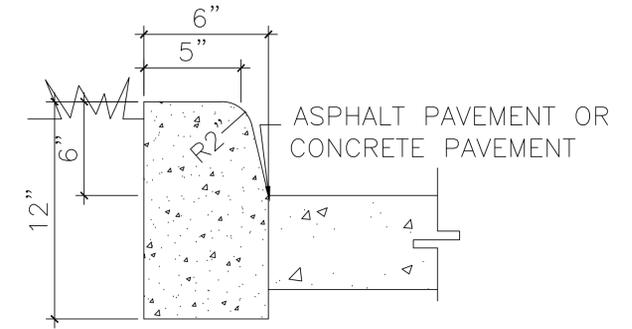


WHEEL STOPS SHALL BE APPROXIMATELY 6" X 8" X 6'-0" LONG, REINFORCED PRECAST CONCRETE, ANCHORED WITH AT LEAST TWO 5/8" DIAMETER REINFORCING BARS DRIVEN 18" INTO THE GROUND AS INDICATED. PROVIDE ONE WHEEL STOP FOR EACH PARKING STALL. UNITS AS MADE BY DENMARK CAST STONE CO., PRECAST CORP., OR ACCEPTED EQUIVALENT.

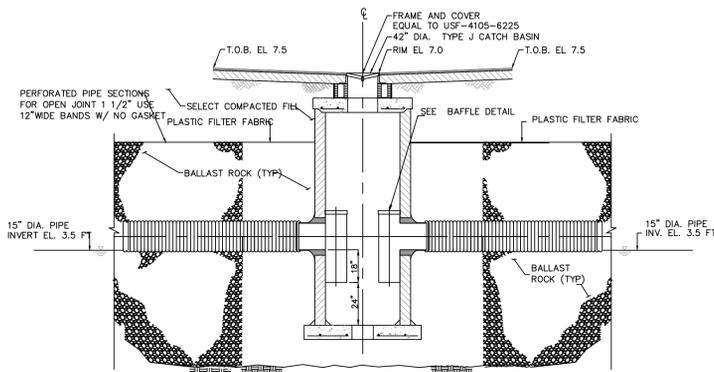
PRECAST CONC. WHEELSTOP
TYPICAL DETAIL
scale: not to scale



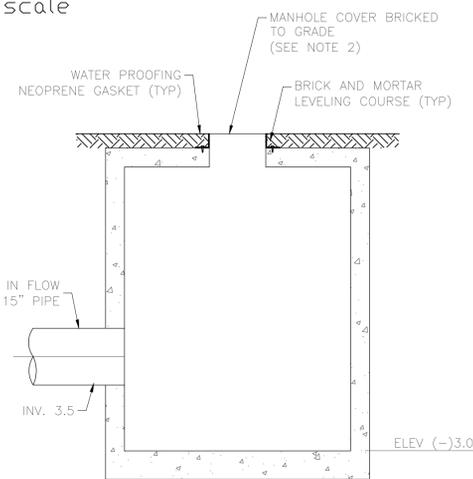
PAVER BRICK DRIVEWAY/SIDEWALK
TYPICAL DETAIL
scale: not to scale



TYPICAL CONCRETE CURB DETAIL.
scale: not to scale

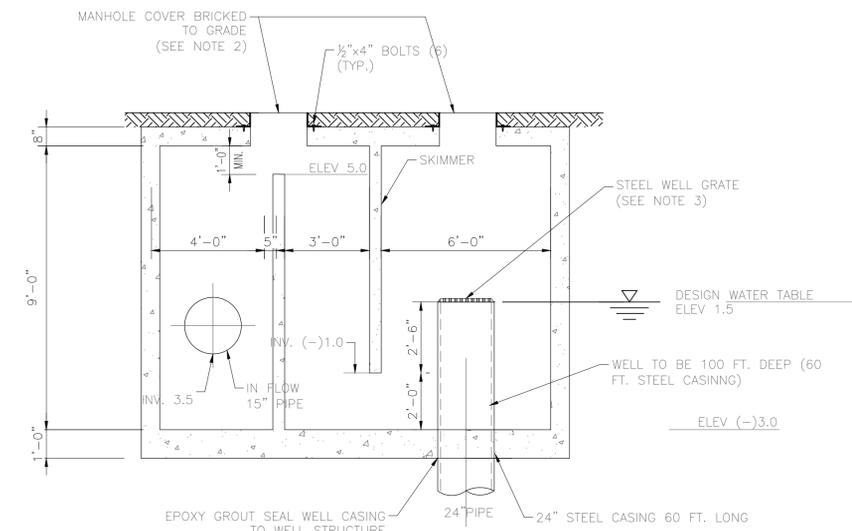


EXFILTRATION TRENCH
DETAIL 2
NTS STD



SECTION B-B
N.T.S.

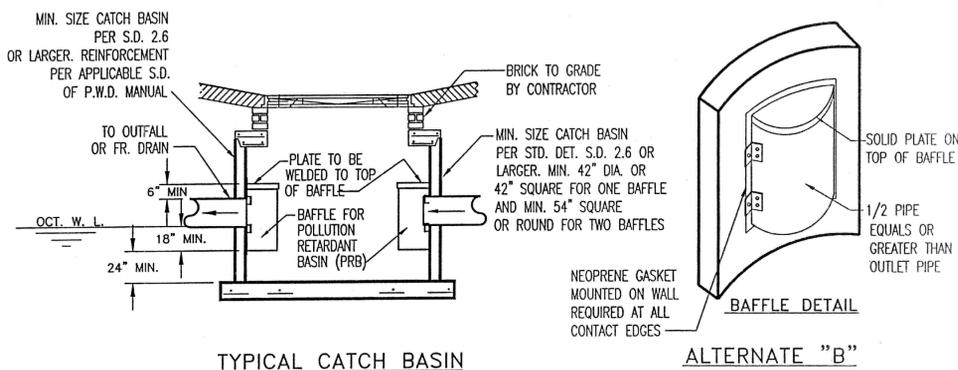
FRAME AND COVER TO BE U.S. FOUNDRY MODEL N° 195-EBWTL BOLTED WATER TIGHT MANHOLE RING AND COVERS OR EQUAL W THE WORDS "STORM SEWER" CAST ON COVER



SECTION A-A
N.T.S.

NOTES:

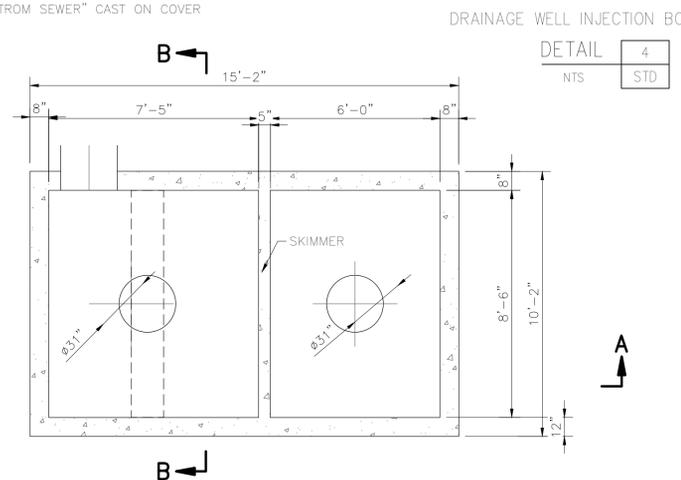
- CONTRACTOR MAY REFER TO FDOT DESIGN STANDARDS 2013 FOR MATERIALS, DIMENSIONS, AND CONSTRUCTION PROCEDURES THAT ARE NOT SHOWN HERE. WHERE THERE IS A CONFLICT BETWEEN THE FDOT DESIGN STANDARDS AND THIS DRAWING, THIS DRAWING SHALL SUPERCEDE.
- 31" DIA. MANHOLE COVERS SHALL BE U.S. FOUNDRY MODEL 119-BM-BWT BOLTED WATERTIGHT OR EQUAL WITH LETTERING "STORM SEWER" CAST ON COVER.
- WELL GRATE SHALL BE USF GRATE No. 5698 OR APPROVED EQUAL. WELL COVER SHALL HAVE OPENINGS OF MAXIMUM 1.5-IN O.C., AND BE SECURED AND TAMPERPROOF, BUT REMOVABLE IN THE EVENT OF WELL MAINTENANCE
- WELL CASING SHALL BE 24" DIA. STEEL PIPE WITH A MIN. WALL THICKNESS OF 3/8" CONFORMING TO ASTM A53, A120.
- WELL CASING SHALL EXTEND TO DEPTH OF 110' BELOW GROUND SURFACE OR TO A DEPTH WHERE THE GROUNDWATER T.D.S. IS GREATER THAN 10,000 P.P.M., WHICHEVER IS DEEPER.
- OPEN HOLE SHALL EXTEND TO A DEPTH SUCH THAT THE DESIGN DISCHARGE RATE OF 250 G.P.M./FT HEAD IS ACHIEVED. CONTRACTOR SHALL PERFORM A STEP DRAW DOWN TEST OR INJECTION TEST TO DEMONSTRATE CAPACITY.
- COMPLETED WELL SHALL BE THOROUGHLY AGITATED AND DEVELOPED. IF USED FOR DEWATERING DURING CONSTRUCTION, WELL SHALL BE REDEVELOPED PRIOR TO BEING PLACED INTO SERVICE.
- ALL NECESSARY PERMITS FROM F.D.E.P. SHALL BE OBTAINED PRIOR TO CONSTRUCTION.



TYPICAL CATCH BASIN

ALTERNATE "B"

BAFFLE DETAIL
DETAIL 3
NTS STD



DRAINAGE WELL INJECTION BOX
DETAIL 4
NTS STD

GENERAL EROSION & SEDIMENTATION CONTROL NOTES

- A. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- B. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- C. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- D. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND / OR GRADING SHALL BE PERMITTED.
- E. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM ON DOWNSTREAM SIDES.
- F. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- G. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- H. DUST ON THE SITE SHALL BE MINIMIZED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- I. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGHOUT THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- J. ALL DENUDED / BARE AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE, MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FAST-GERMINATING ANNUAL GRASS / GRAIN VARIETIES, STRAW / HAY MULCH WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
- K. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND / OR VEGETATED IMMEDIATELY, AND NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND / OR LANDSCAPE PLAN.
- L. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE ONLY USE INGRESS / EGRESS LOCATIONS AS PROVIDED
- M. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- N. CONTRACTOR OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- O. ON-SITE AND OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- P. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- Q. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.
- R. GENERAL CONTRACTOR IS TO DESIGNATE / IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- S. WHEN INSTALLATION OF SILT FENCE IS PERFORMED, THE CONTRACTOR SHALL STABILIZE THE DISTURBED AREA ALONG THE DOWNWARD SLOPE BY SEEDING OR MULCHING AS CONDITIONS WARRANT.

BMP MAINTENANCE EROSION NOTES

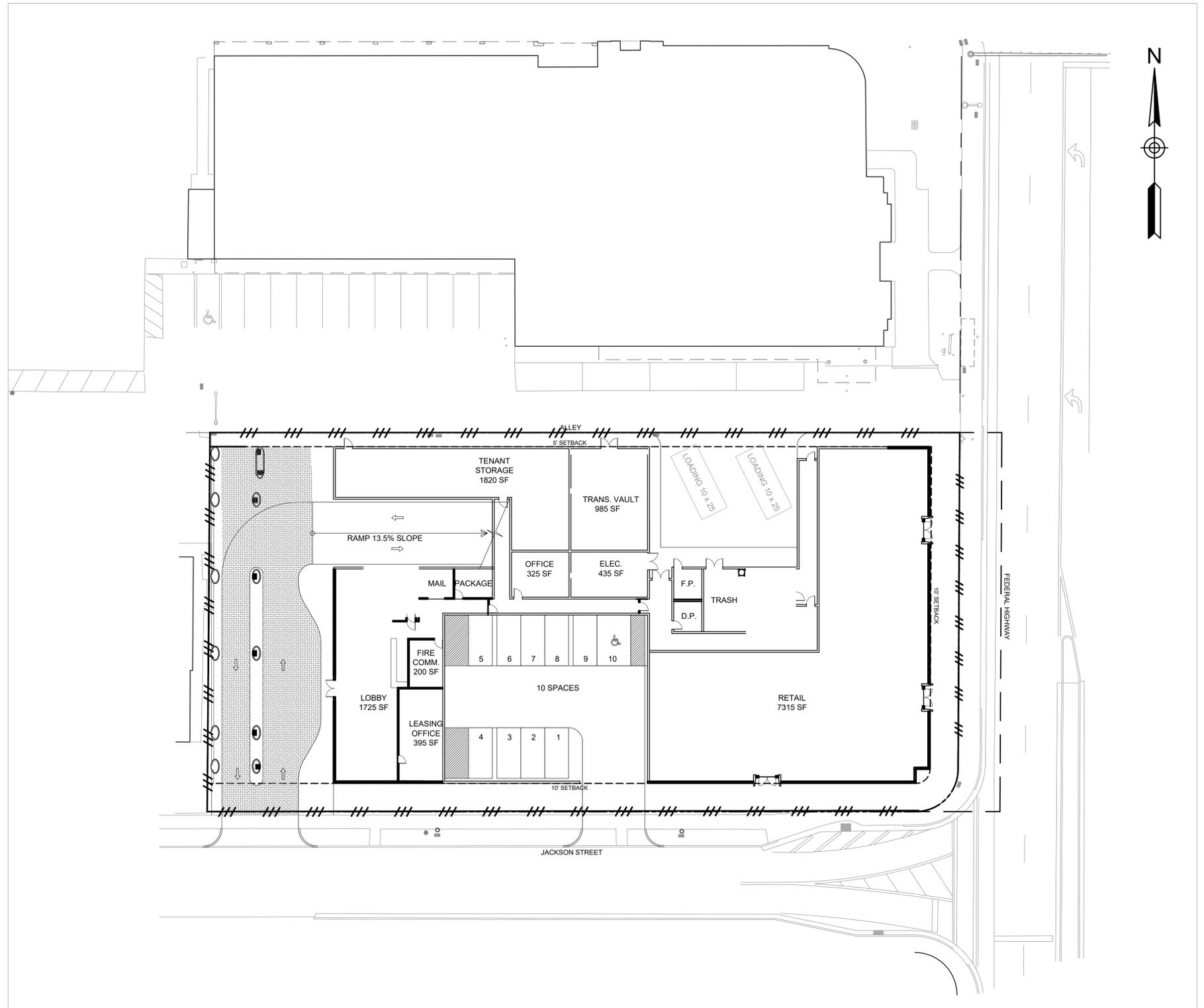
- 1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
- 2. ALL SEEDED / SODDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED / RESODDED AS NEEDED.
- 3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- 4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
- 5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
- 6. OUTLET STRUCTURES SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
- 7. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. AND DEBRIS AND / OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

WASHING AREAS

VEHICLES SUCH AS CEMENT OR DUMP TRUCKS AND OTHER CONSTRUCTION EQUIPMENT SHOULD NOT BE WASHED AT LOCATIONS WHERE THE RUNOFF WILL FLOW DIRECTLY INTO A WATERCOURSE OR STORM WATER CONVEYANCE SYSTEM. SPECIAL AREAS SHOULD BE DESIGNATED FOR WASHING VEHICLES. THESE AREAS SHOULD BE LOCATED WHERE THE WASH WATER WILL SPREAD OUT AND EVAPORATE OR INFILTRATE DIRECTLY INTO THE GROUND, OR WHERE RUNOFF CAN BE COLLECTED IN A TEMPORARY HOLDING OR SEEPAGE BASIN. WASH AREAS SHOULD HAVE GRAVEL BASES TO MINIMIZE MUD GENERATION.

SYMBOLS LEGEND

- PROPERTY LINE/LIMITS OF DISTURBANCE
- /// PROPOSED SILT FENCE



GENERAL EROSION & SEDIMENTATION CONTROL NOTES

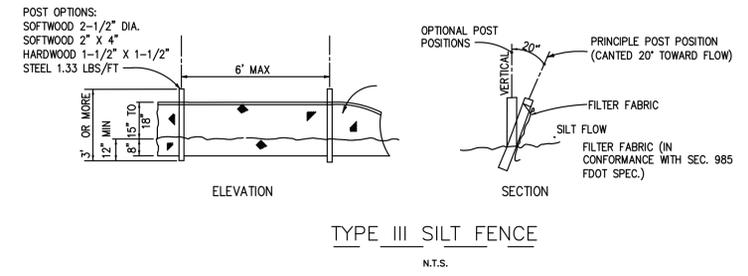
- A. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- B. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- C. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- D. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARINGS AND/OR GRADINGS SHALL BE PERMITTED.
- E. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM ON DOWNSTREAM SIDES.
- F. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- G. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- H. DUST ON THE SITE SHALL BE MINIMIZED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- I. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGHOUT THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- J. ALL DENUDED / BARE AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE, MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FAST-GERMINATING ANNUAL GRASS / GRAIN VARIETIES, STRAW / HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
- K. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND / OR VEGETATED IMMEDIATELY, AND NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND / OR LANDSCAPE PLAN.
- L. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS / EGRESS LOCATIONS AS PROVIDED.
- M. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- N. CONTRACTOR OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- O. ON-SITE AND OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- P. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- Q. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.
- R. GENERAL CONTRACTOR IS TO DESIGNATE / IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- S. WHEN INSTALLATION OF SILT FENCE IS PERFORMED, THE CONTRACTOR SHALL STABILIZE THE DISTURBED AREA ALONG THE DOWNWARD SLOPE BY SEEDING OR MULCHING AS CONDITIONS WARRANT.

BMP MAINTENANCE EROSION NOTES

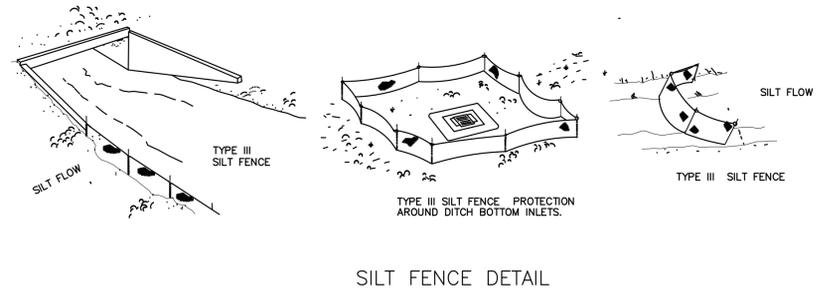
0. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
- ALL SEEDED / SODDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED / RESODDED AS NEEDED.
 - SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
 - THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
 - THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
 - OUTLET STRUCTURES SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
 - PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS, AND DEBRIS AND / OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

WASHING AREAS

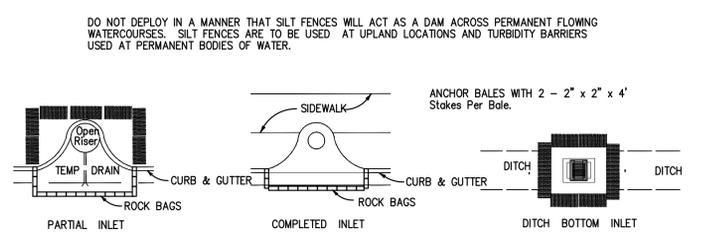
VEHICLES SUCH AS CEMENT OR DUMP TRUCKS AND OTHER CONSTRUCTION EQUIPMENT SHOULD NOT BE WASHED AT LOCATIONS WHERE THE RUNOFF WILL FLOW DIRECTLY INTO A WATERCOURSE OR STORMWATER CONVEYANCE SYSTEM. SPECIAL AREAS SHOULD BE DESIGNATED FOR WASHING VEHICLES. THESE AREAS SHOULD BE LOCATED WHERE THE WASH WATER WILL SPREAD OUT AND EVAPORATE OR INFILTRATE DIRECTLY INTO THE GROUND, OR WHERE RUNOFF CAN BE COLLECTED IN A TEMPORARY HOLDING OR SEEPAGE BASIN. WASH AREAS SHOULD HAVE GRAVEL BASES TO MINIMIZE MUD GENERATION.



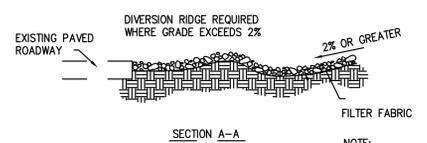
TYPE III SILT FENCE
N.T.S.



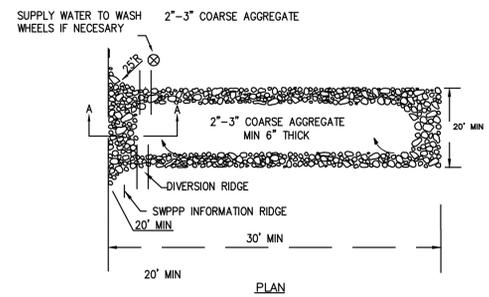
SILT FENCE DETAIL



GUTTER BUDDY CURB INLET PROTECTION DETAIL
N.T.S.

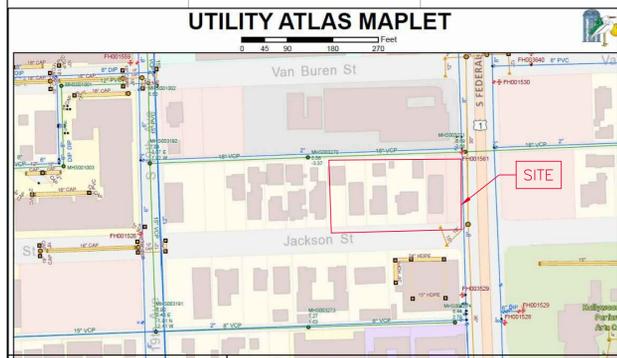
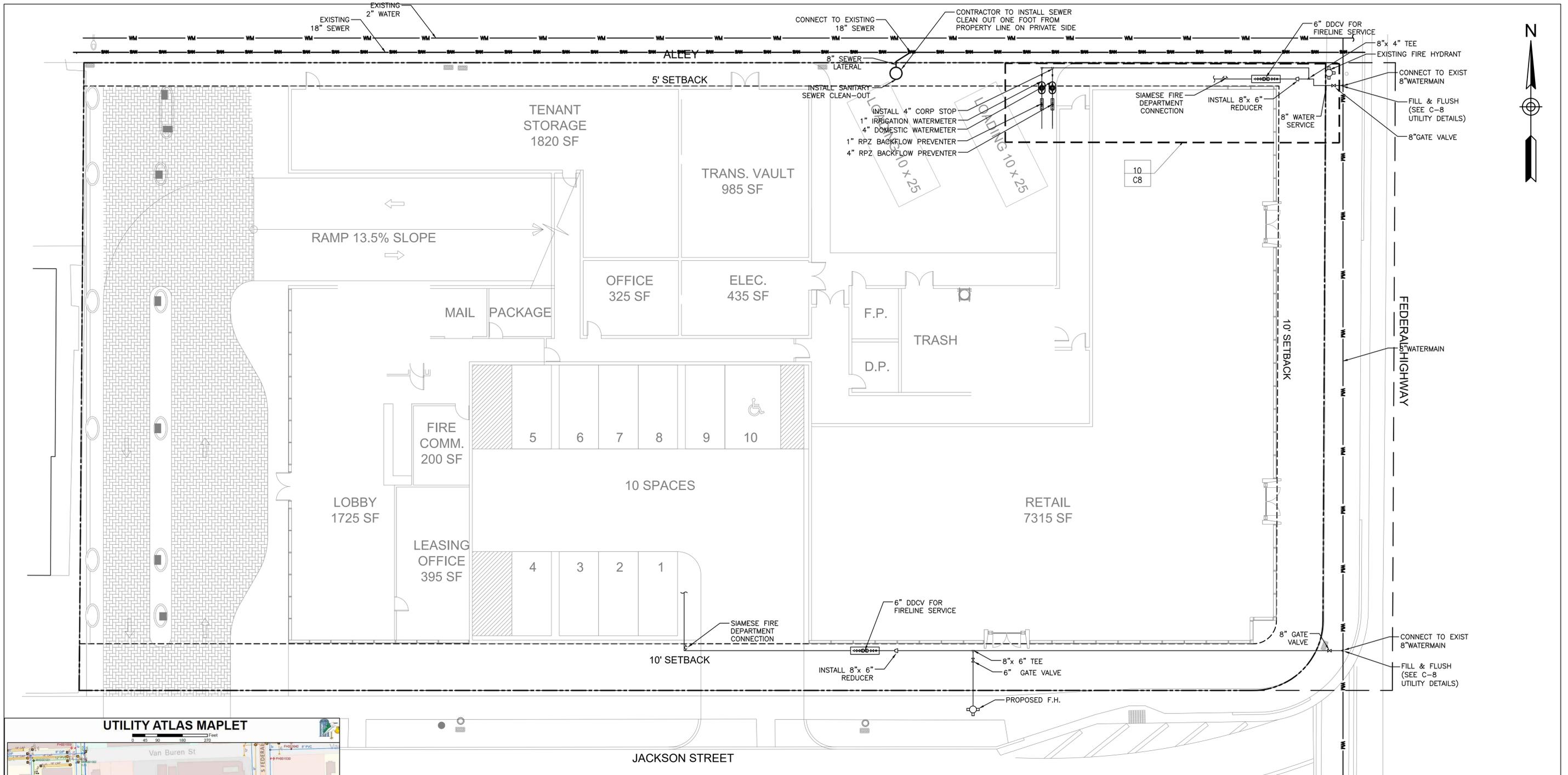


NOTE:
USE SANDBAGS, SILT FENCE OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED



- NOTE:
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, THIS MAY REQUIRE TOP DRESSING REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLICS RIGHTS-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY CONSTRUCTION ENTRANCE DETAIL
N.T.S.

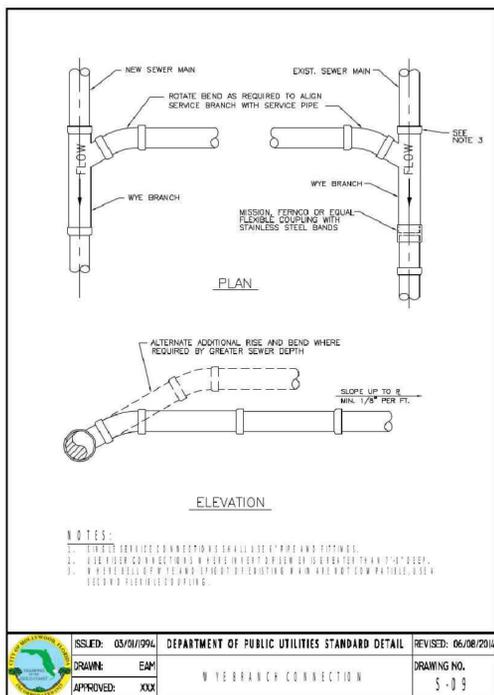


aj/A Szauer Engineering
 Civil Engineers
 5070 W Palmetto Park Road, No. 15399
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alfonsojurado/ARCHITECTURE
 4304 NE 2nd AVENUE
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 305.206.6214 T

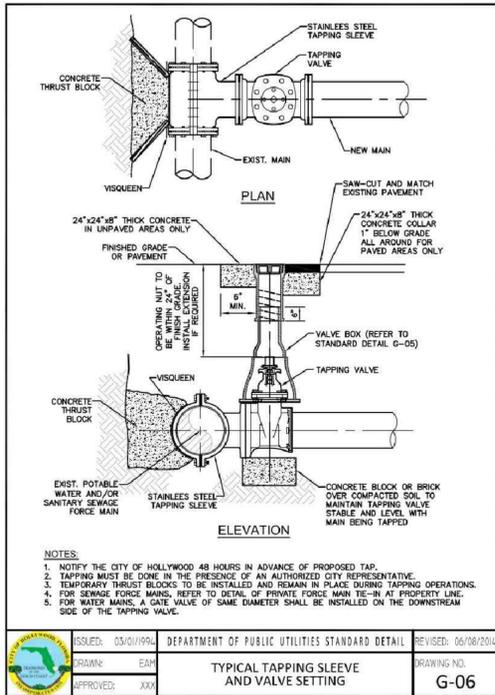
N I N E H O L L Y W O O D
 320 South Federal Highway, Hollywood, FL
 October 2, 2018

UTILITIES SCALE 1"=10' **C-7**



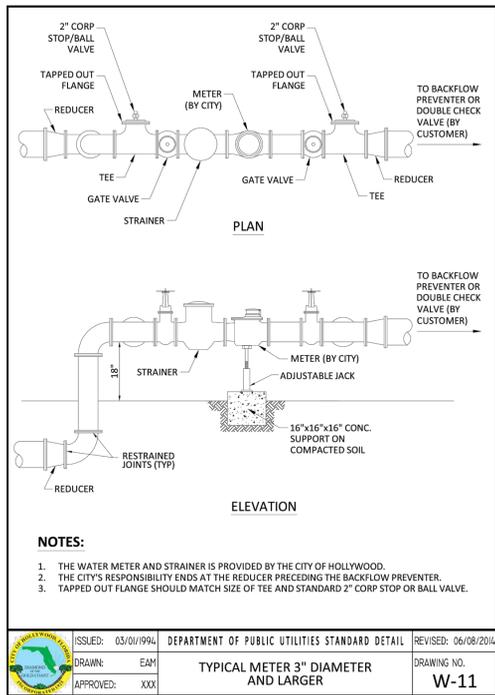
WYE BRANCH CONNECTION

NTS	1	STD
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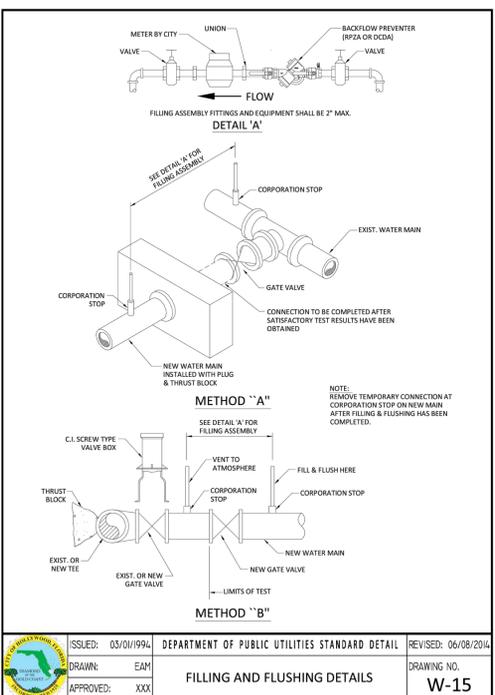
TAP SLEEVE AND VALVE

NTS	2	STD
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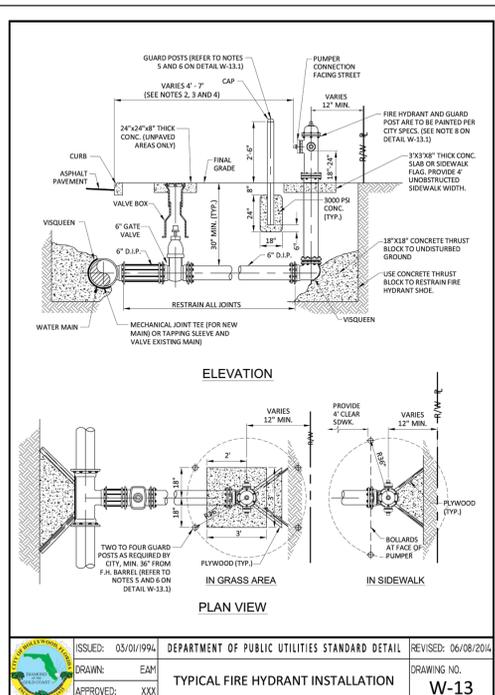
WATER METER

NTS	3	STD
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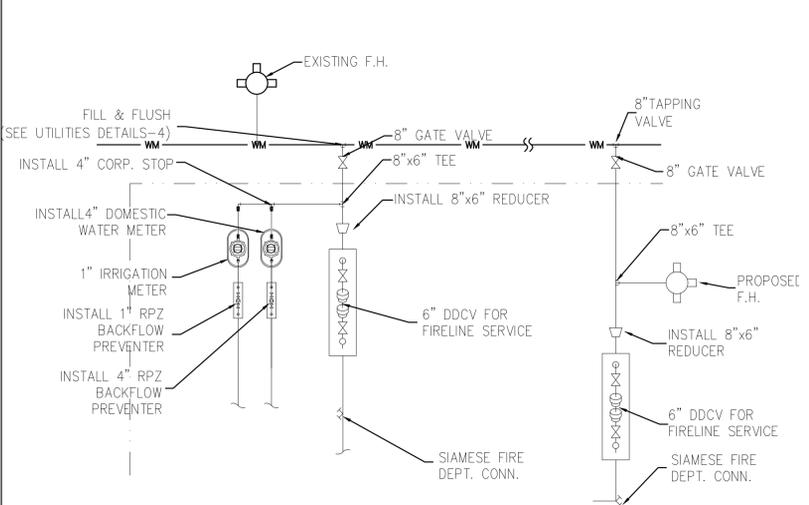
FILL & FLUSH

NTS	4	STD
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F.H. INSTALLATION

NTS	5	STD
-----	---	-----



WATER CONNECTION

NTS	10	STD
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Waste Water Generation				
Use	Quantity	Generation Rate*	ERU	Demand
Proposed				
Residential				
One Bedroom (420 sf)	80	100 GPD	25.40	8,000 GPD
One Bedroom (463 sf)	16	100 GPD	5.08	1,600 GPD
One Bedroom (602 sf)	76	100 GPD	8.35	27,600 GPD
One Bedroom (684 sf)	16	100 GPD	5.08	1,600 GPD
Two Bedroom (1,011)	16	200 GPD	10.16	3,200 GPD
Pool	25 person capacity	2 gal/person	0.16	50 GPD
Total Proposed			54.23 ERU @ 315 GPD	17,083 GPD

Potable Water Consumption				
Use	Quantity	Generation Rate*	ERU	Demand
Proposed				
Residential				
One Bedroom (420 sf)	80		25.40	8,890 GPD
One Bedroom (463 sf)	16		5.08	1,778 GPD
One Bedroom (602 sf)	76		8.35	2,923 GPD
One Bedroom (684 sf)	16		5.08	1,778 GPD
Two Bedroom (1,011)	16		10.16	3,556 GPD
Pool	25 person capacity		0.16	55 GPD
Total Proposed			54.23 ERU @ 350 GPD	18,981 GPD

* As per the Florida Administrative Code: Chapter 64E-6.008 Table 1 for System Design, ESTIMATED SEWAGE FLOW. ERU = Equivalent Residential Unit

FLOW DEMAND TABLE

NTS	8	STD
-----	---	-----

Fire Flow Calculations for Nine Hollywood

SITE DATA

Proposed is the construction of a 12 (12) story Class IA residential Building located at 320 South Federal Hwy. in Hollywood, Florida, Broward County. The existing land uses surrounding the site are residential to the North, South, East and West.

DESIGN CRITERIA

The proposed building shall have an approved automatic sprinkler system.
 Per NFPA-1 18.4.2.2 Type I (443), Type II (222) Construction fire flow area shall be the area of the three largest successive floors. Fire flow area: 30,570 X 3 = 91,710 sf
 Per NFPA-1 Table 18.4.5.2.1 the required fire flow for a 91,710 sf Type I Building is 3,250 gpm with a flow duration of 3 hours.
 Per NFPA-1, 18.4.5.3.2, that the required fire flow, as established in Table 18.4.5.2.1 shall be reduced by 75% when the building is provided with an approved automatic sprinkler system.

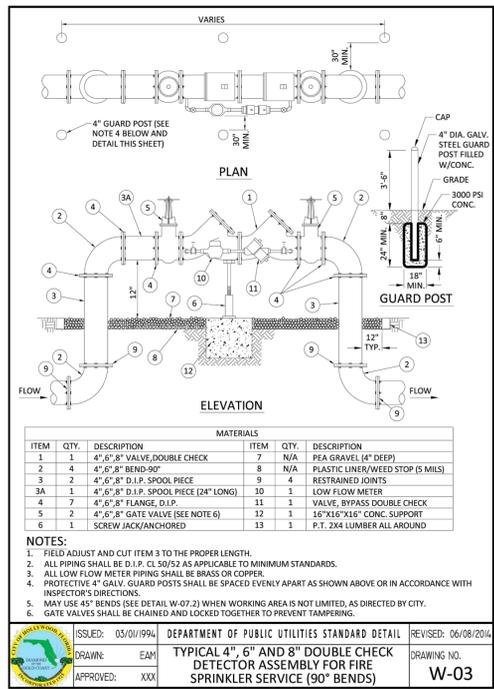
REQUIRED FIRE FLOW

3,250 X 0.25 = 812.5 GPM

Hydrant Flow Test Result on Jackson Street and S Federal Hwy. is 960 gpm. Greater than required. OK

FIRE FLOW REQUIREMENTS

NTS	9	STD
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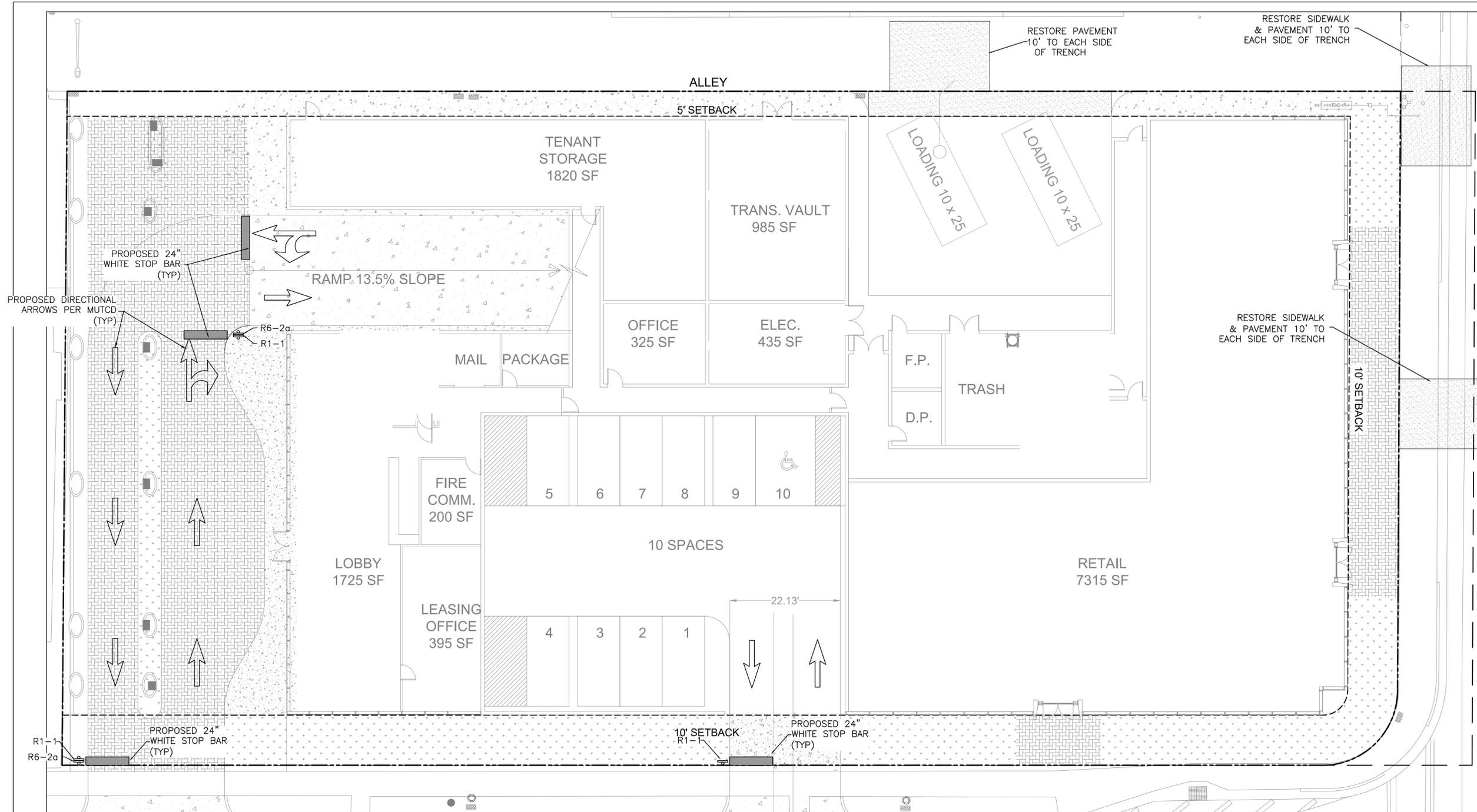
DDCV ASSEMBLY

NTS	7	STD
-----	---	-----

- NOTES:**
- IN ALL CASES, PROVIDE 4' UNOBSTRUCTED SIDEWALK CLEAR OF THE FIRE HYDRANT AND BOLLARDS.
 - FIRE HYDRANTS SHALL BE LOCATED BETWEEN 4' AND 7' FROM THE FACE OF CURB.
 - FIRE HYDRANTS SHALL NOT BE LOCATED WITHIN A RADIUS OR WITHIN FOOT CLEAR DRIVING ZONE.
 - WITHIN FOOT R/W, WHERE SPACE IS RESTRICTED THE FIRE HYDRANT MAY BE LOCATED 2' FROM THE FACE OF THE CURB AS LONG AS THERE IS A MINIMUM 4' UNOBSTRUCTED SIDEWALK BEHIND THE HYDRANT, AND THE HYDRANT BASE IS 4' OR LESS FROM GRADE IN ACCORDANCE WITH F.D.O.T. INDEX 700.
 - GUARD POSTS SHALL NOT BE ALLOWED WITHIN FOOT R/W.
 - OTHER THAN FOOT R/W, GUARD POSTS SHALL BE INSTALLED AS REQUIRED FOR SAFETY OR AS APPROVED BY THE DEPT. OF PUBLIC UTILITIES. IN SIDEWALK, LOCATE GUARD POSTS AT THE FACE OF THE PUMPER AND 2'-6" LEFT/RIGHT OF C. OF THE FIRE HYDRANT. EXTRA POSTS MAY BE REQUIRED IN INDUSTRIAL AND CONGESTED TRAFFIC AREAS. (4 POSTS MAX.)
 - FIRE HYDRANT CONCRETE SLAB AND CONCRETE GUARD POST FOOTINGS SHALL BE DIFFERENT POURS.
 - THE FIRE HYDRANT BONNET, OPERATING NUT, HOLD-DOWN NUT, PUMPER CAP AND HOSE CAPS SHALL BE PAINTED GREEN, AND THE HYDRANT UPPER BARREL SHALL BE PAINTED SILVER IN ACCORDANCE WITH CITY SPECIFICATIONS.

TYPICAL FIRE HYDRANT NOTES

NTS	6	STD
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LEGEND

- CONCRETE
- GRASS
- BRICK PAVERS
- PROPOSED 24" WHITE STOP BAR (TYP)
- PROPOSED R1-1: 4' FROM EDGE OF PAVEMENT (TYP)
- PROPOSED R6-2a

NOTES:
 1. ALL SIGNAGE SHALL BE IN COMPLIANCE WITH THE ZONING LAND DEVELOPMENT REGULATIONS



DETAIL 2
ARROWS

NOTES FOR PAVEMENT MESSAGE: 1. Dimensions are in feet. 2. All arrows are 4" high. 3. All arrows are spaced 12" apart. 4. All arrows are spaced 12" from the edge of the pavement. 5. All arrows are spaced 12" from the edge of the pavement.

DETAIL 1
PAVEMENT MARKING LINES

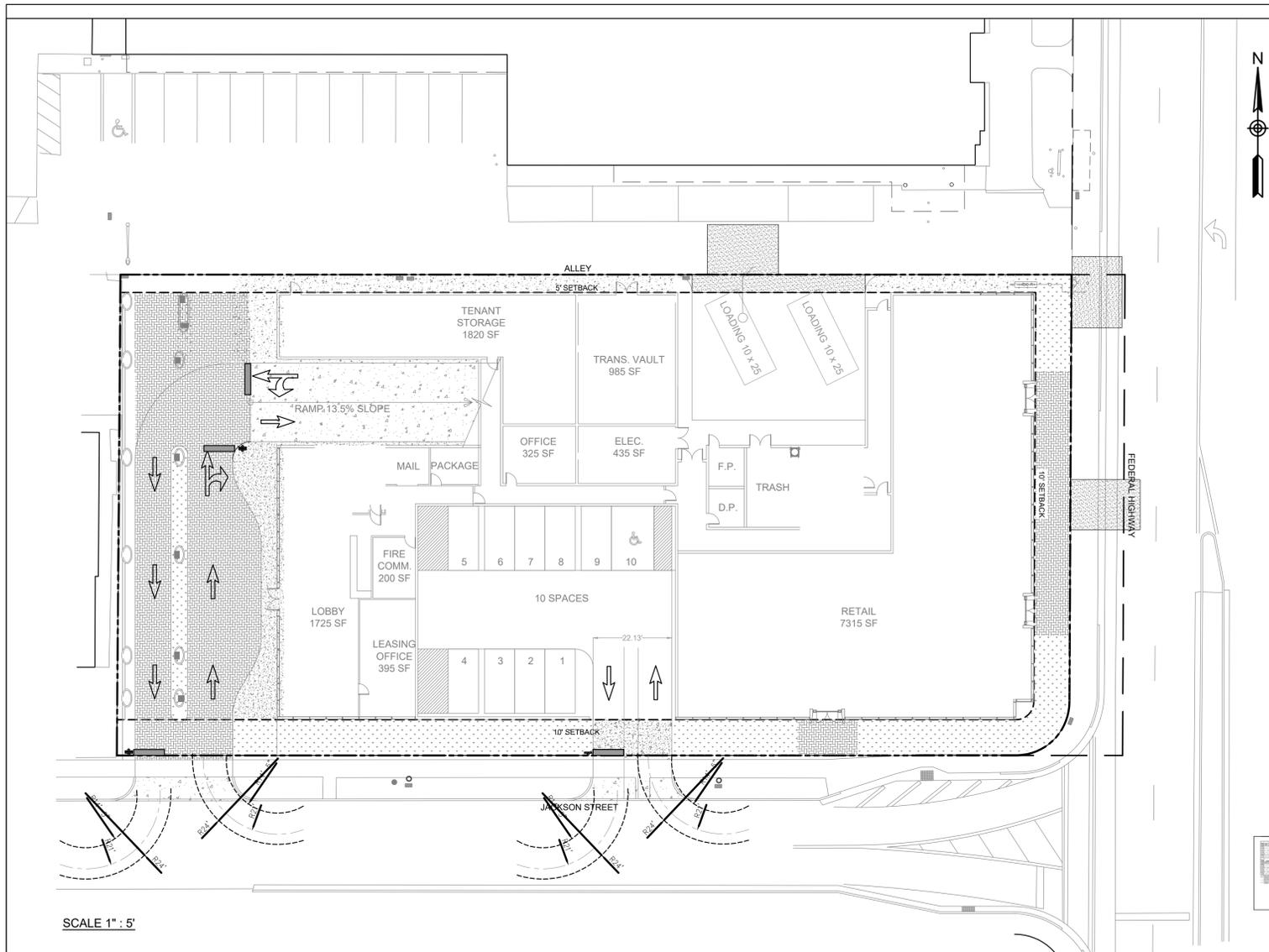
aj/A Szauer Engineering
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 5070 W Palmetto Park Road, No. 15399
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 Phone: (561) 716-0159
 Certificate of Authorization Number 30129

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 Miami, FL 33137
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N I N E H O L L Y W O O D
 320 South Federal Highway, Hollywood, FL
 October 2, 2018

PAVING PLAN
 NAME2 SCALE 1"=10'

C-09



US Customary

Design Vehicle Type	Passenger Car	Single-Unit Truck	Inter-city Bus (Motor Coach)	City Transit Bus	Conventional School Bus (60 seats)	Large School Bus (84 seats)	Articulated Bus	Intermodal Semi-trailer	Intermodal Semi-trailer
Symbol	P	SU	IBUS-40	IBUS-45	CITY-BUS	S-BUS40	A-BUS	WB-40	WB-50
Minimum Design Turning Radius (ft)	24	42	45	45	42.0	38.9	39.4	39.8	40
Center-line Turning Radius (CTR) (ft)	21	38	40.8	40.8	37.8	34.9	35.4	35.5	36
Minimum Inside Radius (ft)	14.4	28.3	27.8	25.5	24.5	23.8	25.4	21.3	19.3
Design Vehicle Type	Interstate Semi-trailer	"Double Bottom" Combine	Triple Semi-trailer	Turnpike Double Semi-trailer	Motor Home	Car and Camper Trailer	Car and Boat Trailer	Motor Home and Boat Trailer	Farm Tractor with Wagon
Symbol	WB-82 or WB-87	WB-87D	WB-100T	WB-108D*	MH	PVT	PVB	MHB	TRW
Minimum Design Turning Radius (ft)	45	45	45	60	40	33	24	50	18
Center-line Turning Radius (CTR) (ft)	41	41	41	56	36	30	21	46	14
Minimum Inside Radius (ft)	7.9	4.4	19.3	9.9	14.9	25.9	17.4	8.0	35.1

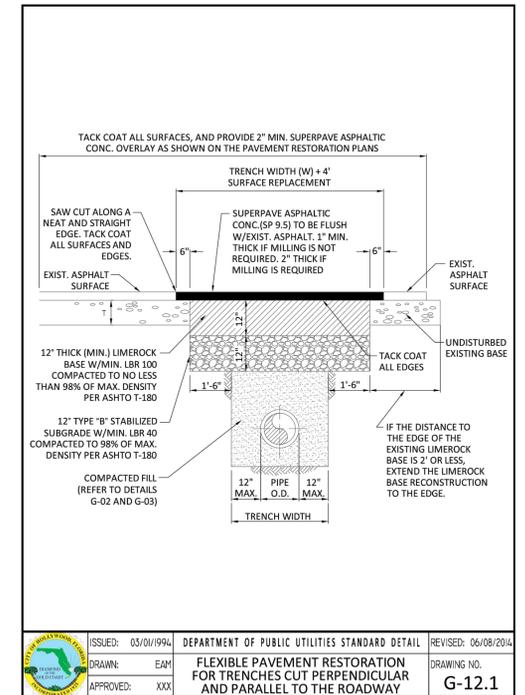
- * = Design vehicle with 48-ft trailer as adopted in 1982 Surface Transportation Assistance Act (STAA).
- ** = Design vehicle with 53-ft trailer as grandfathered in with 1982 Surface Transportation Assistance Act (STAA).
- † = The turning radius assumed by a designer when investigating possible turning paths and is set at the centerline of the front axle of a vehicle. If the minimum turning path is assumed, the CTR approximately equals the minimum design turning radius minus one-half the front width of the vehicle.
- ‡ = School buses are manufactured from 42-passenger to 84-passenger sizes. This corresponds to wheelbase lengths of 11.0 ft to 23.0 ft, respectively. For these different sizes, the minimum design turning radii vary from 28.8 ft to 38.4 ft and the minimum inside radii vary from 14.0 ft to 25.4 ft.
- § = Turning radius is for 150-200 hp tractor with one 18.5 ft long wagon attached to hitch point. Front wheel drive is disregarded and without brakes being applied.

MINIMUM TURNING RADII

NTS	1
STD	1

NOTE:

- ALL PROPOSED SIDEWALKS PER FDOT INDEX 310
- COORDINATION WITH LANDSCAPING PLANS FOR SIGHT DISTANCE IS REQUIRED



ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	FLEXIBLE PAVEMENT RESTORATION FOR TRENCHES CUT PERPENDICULAR AND PARALLEL TO THE ROADWAY	DRAWING NO. G-12.1
APPROVED: XXX		

PAVEMENT RESTORATION

NTS	2
STD	2

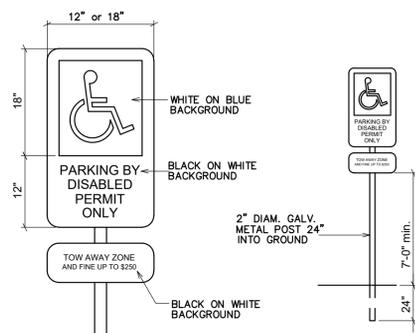
FLEXIBLE PAVEMENT RESTORATION NOTES:

- THE ABOVE DETAILS APPLY ONLY TO ASPHALT PAVEMENT RESTORATION OVER UTILITY TRENCHES CUT WITHIN CITY OF HOLLYWOOD RIGHTS-OF-WAY. FOR PAVEMENT RESTORATION WITHIN BROWARD COUNTY OR FDOT RIGHTS-OF-WAY REFER TO THE CORRESPONDING DETAILS FOR THOSE AGENCIES.
- LIMEROCK BASE MATERIAL SHALL HAVE A MINIMUM L.B.R. OF 100 AND A MINIMUM CARBONATE CONTENT OF 70%. REPLACED BASE MATERIAL OVER TRENCH SHALL BE A MINIMUM OF 12" THICK.
- LIMEROCK BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM (LOOSE MEASUREMENT) THICKNESS LAYERS WITH EACH LAYER THOROUGHLY ROLLED OR TAMPED AND COMPACTED TO 98% OF MAXIMUM DENSITY, PER AASHTO T-180, PRIOR TO THE PLACEMENT OF THE SUCCEEDING LAYERS.
- STABILIZED SUBGRADE MATERIAL SHALL BE GRANULAR AND SHALL HAVE A MINIMUM L.B.R. OF 40.
- BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE PIPE LAYING CONDITION TYPICAL SECTIONS IN DETAILS G-02 AND G-03, AND THE SPECIFICATIONS, BUT TESTING WILL BEGIN 12" ABOVE THE INSTALLED FACILITY.
- ALL EDGES AND JOINTS OF EXISTING ASPHALT PAVEMENT SHALL BE SAW CUT TO STRAIGHT LINES, PARALLEL TO OR PERPENDICULAR TO THE ROADWAY, PRIOR TO THE RESURFACING.
- RESURFACING MATERIAL SHALL BE FDOT SUPERPAVE, AND SHALL BE APPLIED A MINIMUM OF TWO INCH IN THICKNESS.
- SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED FOR A SMOOTH, FLUSH TRANSITION TO EXISTING PAVEMENT.
- IF THE TRENCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING UNTIL REPLACED WITH A PERMANENT PATCH.
- REFER TO SPECIFICATIONS FOR DETAILED PROCEDURES.
- WHERE THE UTILITY TRENCH CROSSES EXISTING ASPHALT DRIVEWAYS, THE LIMEROCK BASE THICKNESS MAY BE A MINIMUM OF 6 INCHES THICK, REGARDLESS OF THE EXTENT OF IMPACT. THE ENTIRE DRIVEWAY SURFACE BETWEEN THE EDGE OF THE ROADWAY PAVEMENT AND PROPERTY LINE OR FRONT OF SIDEWALK SHALL BE OVERLAID USING 2-INCH THICK MINIMUM ASPHALTIC CONCRETE SURFACE COURSE WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE CITY/ENGINEER.

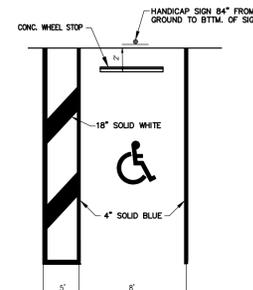
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	FLEXIBLE PAVEMENT RESTORATION NOTES	DRAWING NO. G-12
APPROVED: XXX		

PAVEMENT RESTORATION NOTES

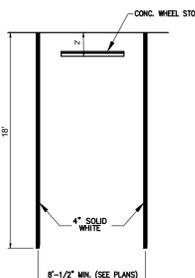
NTS	3
STD	3



HANDICAP SIGN DETAIL
N.T.S.



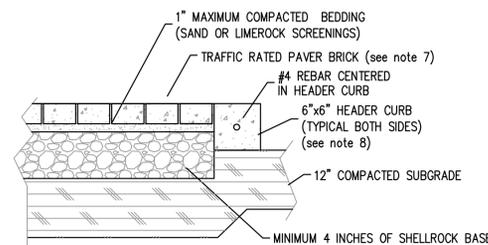
TYP. HANDICAP PARKING STALL DETAIL
N.T.S.



TYPICAL PARKING STALL DETAIL
N.T.S.

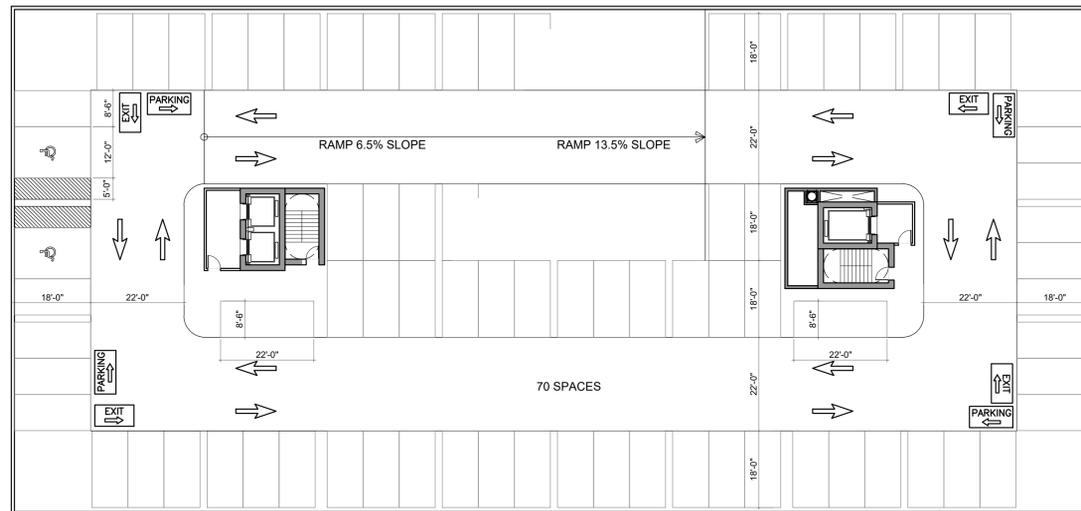
PARKING STALLS

NTS	5
STD	5



PAVER BRICK DRIVEWAY/SIDEWALK

NTS	4
STD	4



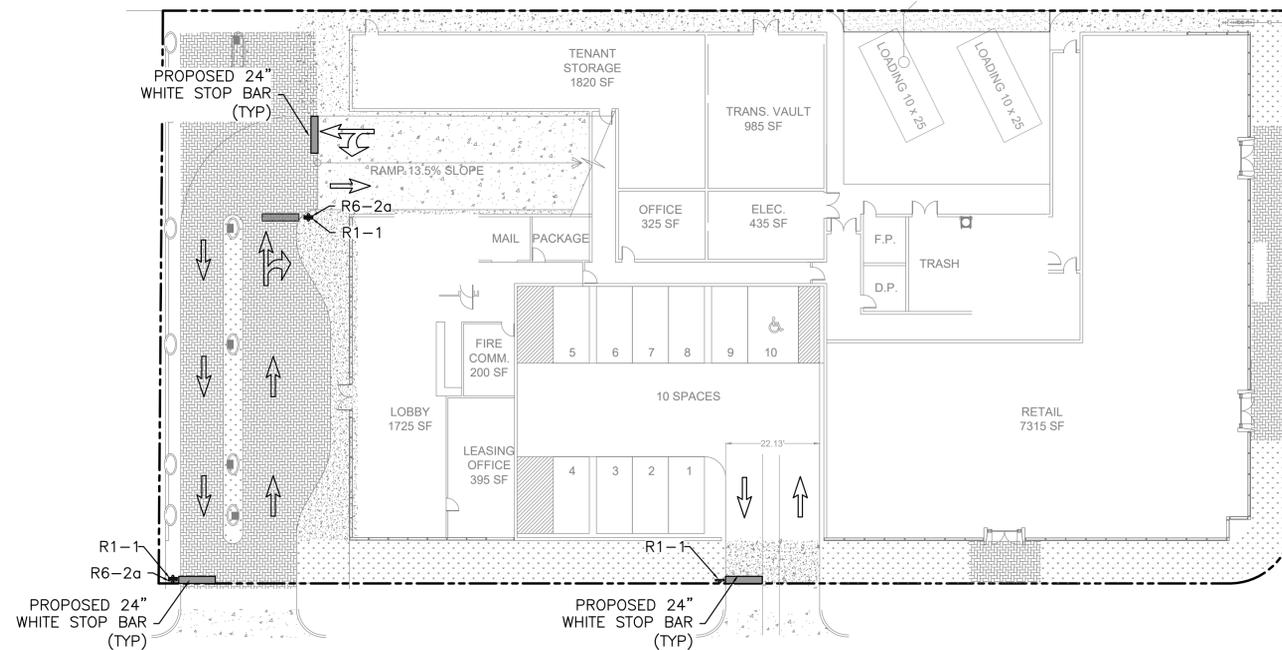
LEVEL 02 -04

LEGEND

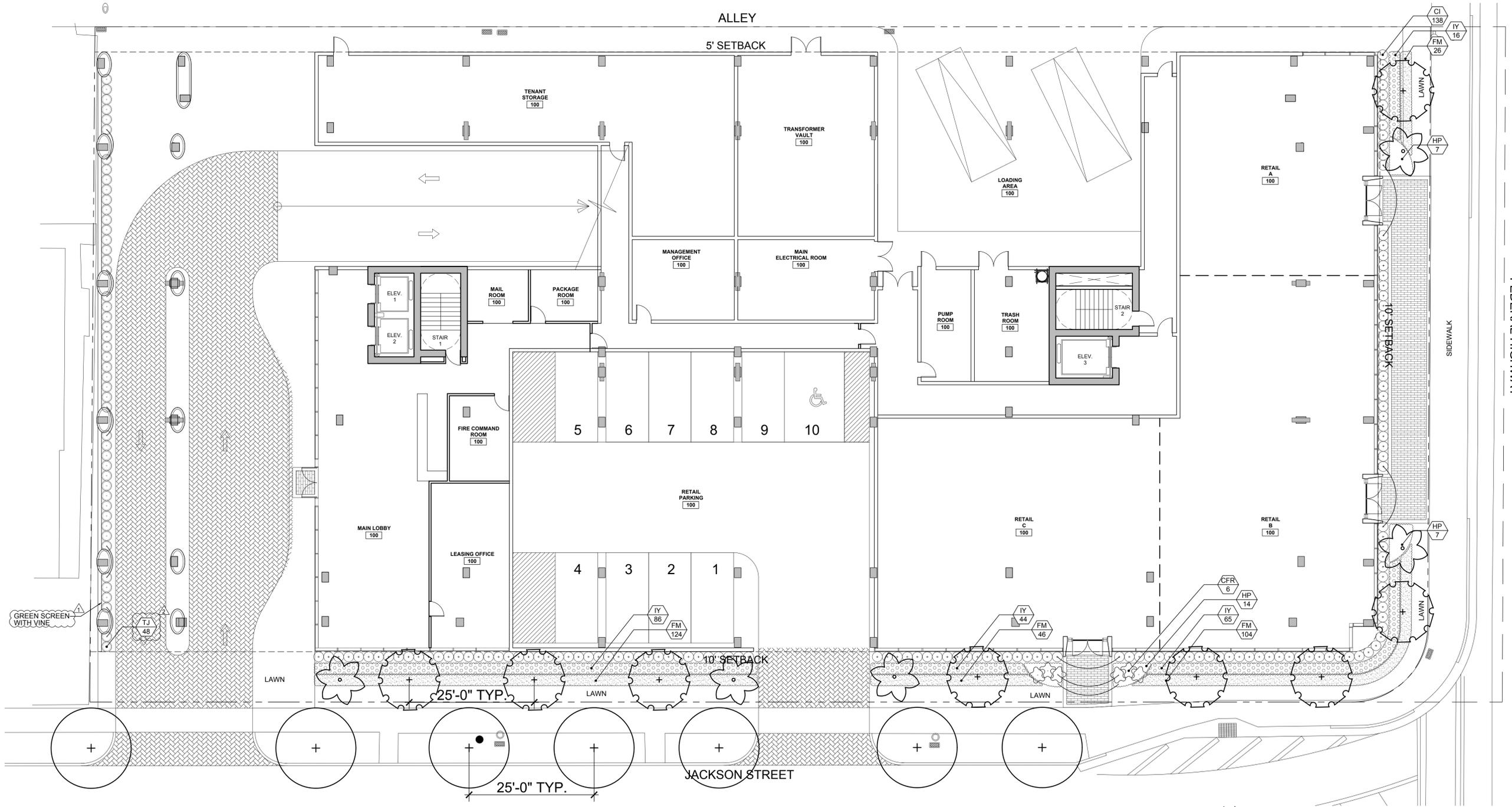
-  CONCRETE
-  GRASS
-  BRICK PAVERS
-  BRICK PAVERS
-  PROPOSED 24" WHITE STOP BAR (TYP)
-  PROPOSED R1-1: 4' FROM EDGE OF PAVEMENT (TYP)
-  PROPOSED R6-2a

NOTES:

1. ALL SIGNAGE . SHALL BE IN COMPLIANCE WITH THE ZONING LAND DEVELOPMENT REGULATIONS



LEVEL 01



GROUND FLOOR LANDSCAPE PLAN

Scale: 1"=10'-0"



SHEET INDEX:

- L-1 GROUND LEVEL LANDSCAPE PLAN
- L-2 LEVEL 5 AMENITY LANDSCAPE PLAN
- L-3 LANDSCAPE DETAILS

Mitigation Note: Any mitigation shall take place off site or paid into a tree trust fund. Mitigation shall be worked out with the City of Hollywood based on the tree survey.

LANDSCAPE LIST		
TREES		
SYMBOL	QUAN.	PROPOSED MATERIAL DESCRIPTION
8		Tex cassine
DAHOOON HOLLY		12' HT. X 5' SPR. 2" DBH. F.G.
7		Noronia emarginata
MADAGASCAR OLIVE		12' HT. X 5' SPR. 2" DBH. F.G.
5		Nicolaia montgomeryana 'single'
SINGLE MONTGOMERY PALM		18' O.A. HT. @ C.T. MIN. F.G.
3		Phoenix sylvestris
PHOENIX PALM		20' O.A. HT. @ C.T. MIN. F.G.
		SILVER DATE PALM
		F.G.
SHRUBS AND GROUNDCOVERS		
SYMBOL	QUAN.	PROPOSED MATERIAL DESCRIPTION
AP	5	Androsace 'Pink Star'
GIANT PINK RED BROMELIAD		30" HT. X 32" SPR. 9" POT
CFB	15	Cordyline frutescens 'Black Magic'
TI PLANT		3' HT. X 3' SPR. 3 GAL.
CFR	10	Cordyline frutescens 'Red Sister'
TI PLANT		3' HT. X 3' SPR. 3 GAL.
CI	138	TJ PLANT
GREEN ISLAND CUCUR		24" HT. X 24" SPR. / 24" O.C. 3 GAL.
CG	323	GREEN COCCOBLUM
CLUSTIA GUTTIFERA		24" HT. X 24" SPR. / 24" O.C. 3 GAL.
SMALL LEAF CLUSTIA		24" HT. X 24" SPR. / 18" O.C. 3 GAL.
FM	626	Ficus microcarpa 'Green Island'
GREEN ISLAND CUCUR		18" HT. X 18" SPR. / 18" O.C. 3 GAL.
HP	28	Harmelia patens compact
DWARF FIREBUSH		24" HT. X 24" SPR. / 24" O.C. 3 GAL.
IY	211	Inzira Maui Yellow
YELLOW DWARF IKORA		18" HT. X 18" SPR. / 18" O.C. 3 GAL.
PHILODENDRON 'BURNING BUSH'		24" HT. X 24" SPR. / 36" O.C. 3 GAL.
PB	8	BURLE MARX PHLODENDRON
TRACHELOSPERMUM JASMINOIDES		24" HT. X 24" SPR. / 36" O.C. 3 GAL.
TJ	48	Trachelospermum jasminoides
CONFEDERATE JASMINE		18" HT. X 18" SPR. / 24" O.C. 3 GAL. TRAILING
LAWN		As Stenotaphrum secundatum 'Floramat'
Required		ST. AUGUSTINE GRASS
		SOLID EVEN SOO

LANDSCAPE LEGEND CITY OF HOLLYWOOD		
ZONE DISTRICT:	REQ.	PROV.
CCC-1		
Pervious Landscape area x sq. ft.		
Street Tree distance 50 linear feet		
TREES:		
A. No. trees required per pervious landscape area		
1 tree per 1,000 sq. ft.		
X sq. ft. / 1,000 sq. ft. = x trees	X	9
B. Percentage palms allowed		
Palms permitted count as 3 palms = 1 tree		
Up to 50%, but more than 20% all trees must be shade natives	X	2
C. Street trees (maximum spacing 50' o.c.)		
333 linear feet along street / 50 lf = 7 trees	7	7
D. Parking Buffer trees (maximum spacing 20' o.c.)		
523 linear feet along buffer / 20 lf = 26 trees	X	X
E. Total Trees Required		
A + C + D = Total Trees (60% NATIVE REQUIRED)	X	18
F. Percentage Natives Required		
60% of total trees required must be Florida Native	X	8
SHRUBS		
A. Parking Buffer shrubs (maximum spacing 36" o.c.)		
X linear feet along buffer / 3 lf = X shrubs (50% NATIVE)	X	X
B. Total Shrubs Provided		786
NOTES		
IRRIGATION: 100% coverage as required by City of Hollywood		
Plant material will not be planted into root balls of trees and palms		
No substitutions without the approval of Hollywood's Landscape Plan Reviewer		

WITKIN HULTH DESIGN GROUP
 3275 W. 11th Ave., Suite 100, Ft. Lauderdale, FL 33309
 phone: 954.923.9681, fax: 954.923.9689
 www.witkindesign.com

NINE HOLLYWOOD
 320 S. FEDERAL HIGHWAY, HOLLYWOOD, FL
 GROUND LEVEL LANDSCAPE PLAN

Revisions:

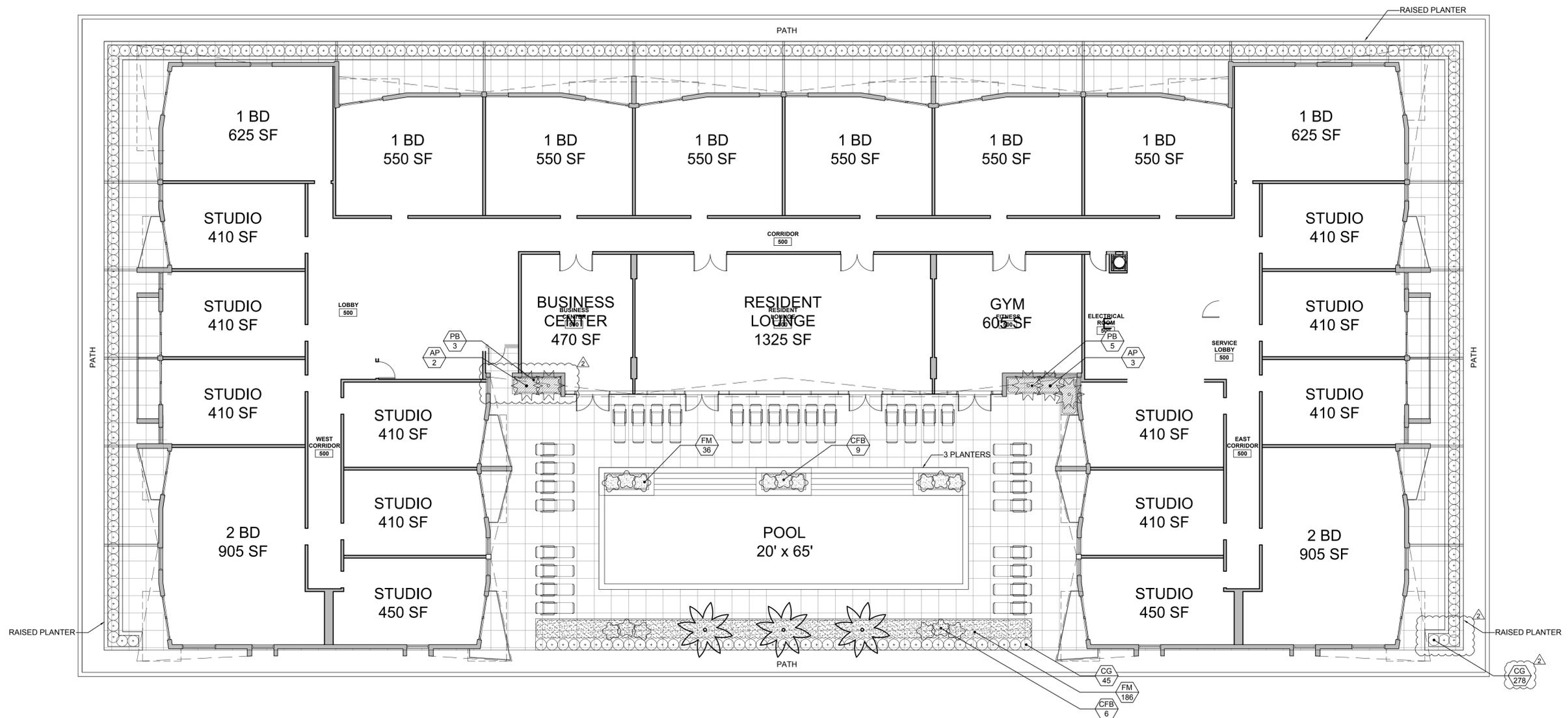
1) Client Comments	11.12.2018	AM
2) City Comments - New Base	12.18.2018	AM

Project:

Seal:

Lic. # LA0000889
 Member: A.S.L.A.

Drawing: Ground Level Landscape Plan
 Date: 10/19/2018
 Scale: See Left
 Drawn by: AM
 Sheet No.:
L-1
 Cad Id.: 2018-073



LEVEL 5 AMENITY LANDSCAPE PLAN

Scale: 1"=10'-0"

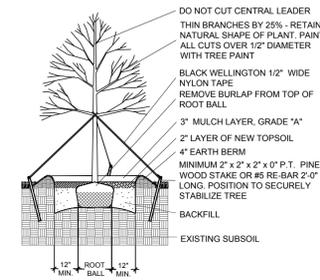


Mitigation Note: Any mitigation shall take place off site or paid into a tree trust fund. Mitigation shall be worked out with the City of Hollywood based on the tree survey.

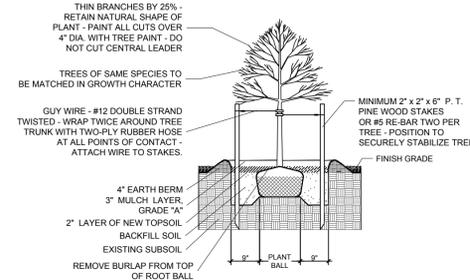
LANDSCAPE LIST			
TREES			
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
8		*Ilex cassine	12' HT. X 5' SPR. 2" DBH
8		DAHOOON HOLLY	F.G.
7		Noronia emarginata	12' HT. X 5' SPR. 2" DBH
7		MADAGASCAR OLIVE	F.G.
5		Yucca montgomeryana 'single'	18" O.A. HT. @ C.T. MIN.
5		SINGLE MONTGOMERY PALM	F.G.
3		Phoenix sylvestris	20' O.A. HT. @ C.T. MIN.
3		SILVER DATE PALM	F.G.
SHRUBS AND GROUNDCOVERS			
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
AP	5	Aechmea 'Pink Star'	30" HT. X 32" SPR.
		GIANT PINK- RED BROMELIAD	9" POT
CFB	15	Cordyline frutescens 'Black Magic'	3' HT. X 3' SPR.
		TI PLANT	3 GAL.
CFR	10	Cordyline frutescens 'Red Sister'	3' HT. X 3' SPR.
		TI PLANT	3 GAL.
CI	138	*Chrysothamnus sacc	24" HT. X 24" SPR. / 24" O.C.
		GREEN COCCOBLUM	3 GAL.
CG	323	Clusia guttifera	24" HT. X 24" SPR. / 24" O.C.
		SMALL LEAF CLUSIA	3 GAL.
FM	626	Ficus microcarpa 'Green Island'	18" HT. X 18" SPR. / 18" O.C.
		GREEN ISLAND FIG	3 GAL.
HP	28	*Hamelia patens compact	24" HT. X 24" SPR. / 24" O.C.
		DWARF FIREBUSH	3 GAL.
IY	211	Inzira 'Maui Yellow'	18" HT. X 18" SPR. / 18" O.C.
		YELLOW DWARF IKORA	3 GAL.
PB	8	Philodendron 'Bourne Mar'	24" HT. X 24" SPR. / 36" O.C.
		BURLE MARX PHLODENDRON	3 GAL.
TJ	48	Trachelospermum jasminoides	18" HT. X 18" SPR. / 24" O.C.
		CONFEDERATE JASMINE	3 GAL. TRAILING
LAWN		As	Stenotaphrum secundatum 'Floramat'
		Required	ST. AUGUSTINE GRASS
			SOLID EVEN SOO

NOTE: THE CITY LANDSCAPE REVIEWER WILL BE NOTIFIED PRIOR TO ANY CHANGES IN APPROVED LANDSCAPE MATERIALS.

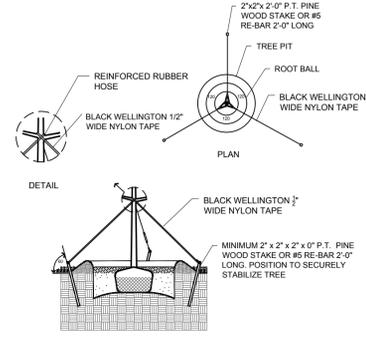
LANDSCAPE LEGEND CITY OF HOLLYWOOD		
ZONE DISTRICT: CCC-1		
Pervious Landscape area x sq. ft.		
Street Tree distance 50 linear feet		
TREES:	REQ.	PROV.
A. No. trees required per pervious landscape area 1 tree per 1,000 sq. ft. X sq. ft. / 1,000 sq. ft. = x trees	X	9
B. Percentage palms allowed Palms permitted count as 3 palms = 1 tree Up to 50%, but more than 20% all trees must be shade natives	X	2
C. Street trees (maximum spacing 50' o.c.) 333 linear feet along street / 50 lf = 7 trees	7	7
D. Parking Buffer trees (maximum spacing 20' o.c.) 523 linear feet along buffer / 20 lf = 26 trees	X	X
E. Total Trees Required A + C + D = Total Trees (60% NATIVE REQUIRED)	X	18
F. Percentage Natives Required 60% of total trees required must be Florida Native	X	8
SHRUBS		
A. Parking Buffer shrubs (maximum spacing 36" o.c.) X linear feet along buffer / 3 lf = X shrubs (50% NATIVE)	X	X
B. Total Shrubs Provided		786
NOTES		
IRRIGATION: 100% coverage as required by City of Hollywood		
Plant material will not be planted into root balls of trees and palms		
No substitutions without the approval of Hollywood's Landscape Plan Reviewer		



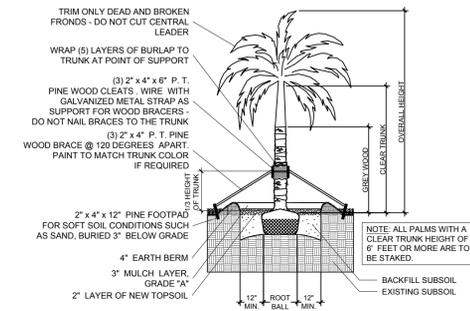
LARGE TREE PLANTING DETAIL



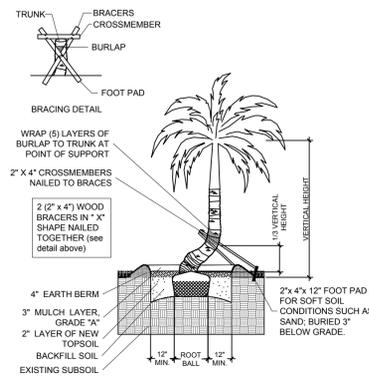
SMALL TREE PLANTING DETAIL



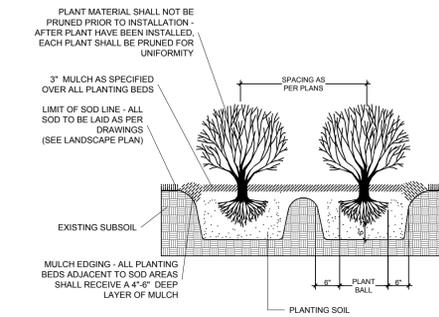
TYPICAL TREE GUYING DETAIL



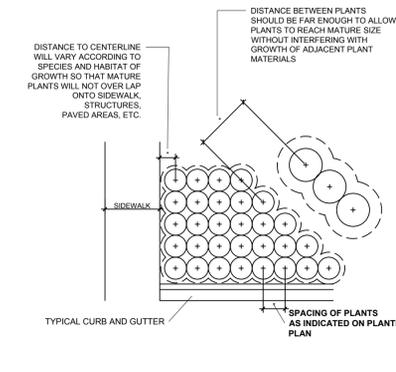
STRAIGHT TRUNK PALM PLANTING DETAIL



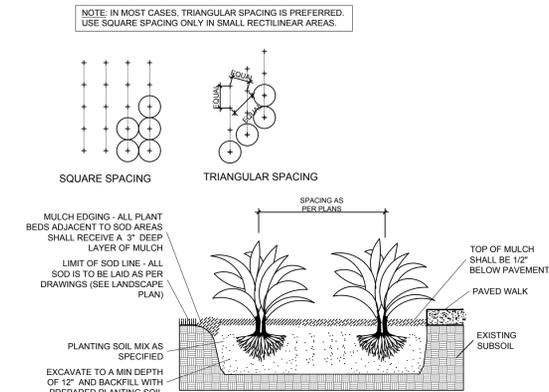
CURVED TRUNK PALM PLANTING DETAIL



TYPICAL SHRUB PLANTING DETAIL



TYPICAL CONTAINER SPACING DETAIL



TYPICAL GROUNDCOVER PLANTING DETAIL

PLANTING NOTES:

- All plant material is to be Florida Number 1 or better pursuant to the Florida Department of Agriculture's Grades and Standards for Nursery Plants.
- All plants are to be top dressed with a minimum 3" layer of Melaleuca mulch, Eucalyptus mulch or equal.
- Planting plans shall take precedence over plant list in case of discrepancies.
- No changes are to be made without the prior consent of the Landscape Architect and Owner. Additions and deletions to the plant material must be approved by the project engineer.
- Landscape Contractor is responsible for providing their own square footage takeoffs and field verification for 100% sod coverage for all areas specified.
- All landscape areas are to be provided with automatic sprinkler system which provide 100% coverage, and 50% overlap.
- All trees in lawn areas are to receive a 24" diameter mulched saucer at the base of the trunk.
- Trees are to be planted within parking islands after soil is brought up to grade. Deeply set root balls are not acceptable.
- Planting soil for topsoil and backfill shall be 50/50 mix, nematode free. Planting soil for annual beds to be comprised of 50% Canadian peat moss, 25% salt free coarse sand and 25% Aerolite.
- Tree and shrub pits will be supplemented with "Agriform Pells", 21 gram size with a 20-10-5 analysis, or substitute application accepted by Landscape Architect. Deliver in manufacturer's standard containers showing weight, analysis and name of manufacturer.

SOD NOTES:

- Sod is to be grade "A" weed free.
- All areas marked "LAWN" shall be solid sodded with St. Augustine 'Floratum' solid sod. See limit on plan. All areas marked 'Bahia Grass' shall be solid sodded with Paspalum.
- Provide a 2" deep blanket of planting soil as described in planting notes this sheet. Prior to planting, remove stones, sticks, etc. from the sub soil surface. Excavate existing non-conforming soil as required so that the finish grade of sod is flush with adjacent pavement or top of curb as well as adjacent sod in the case of sod patching.
- Place sod on moistened soil, with edges tightly butted, in staggered rows at right angles to slopes.
- Keep edge of sod bed a minimum of 18" away from groundcover beds and 24" away from edge of shrub beds and 36" away from trees, measured from center of plant.
- Sod Shall be watered immediately after installation to uniformly wet the soil to at least 2" below the bottom of the sod strips.
- Excavate and remove excess soil so top of sod is flush with top of curb or adjacent pavement or adjacent existing sod.

GENERAL NOTES:

- The Landscape Contractor is to locate and verify all underground and overhead utilities prior to beginning work. Contact proper utility companies and / or General Contractor prior to digging for field verification. The Owner and the Landscape Architect shall not be responsible for any damages to utility or irrigation lines (see Roadway Plans for more utility notes).
- Landscape Contractor is to verify all current drawings and check for discrepancies and bring to the attention of the Landscape Architect prior to commencing with the work.
- All unattended and unplanted tree pits are to be properly barricaded and flagged during installation.
- All planting plans are issued as directives for site layout. Any deviations, site changes, etcetera are to be brought to the attention of the Landscape Architect for clarification prior to installation.

W H
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 phone: 954.923.9611 fax: 954.923.9689
 www.witkindesign.com

NINE HOLLYWOOD
 320 S. FEDERAL HIGHWAY, HOLLYWOOD, FL
 LANDSCAPE DETAILS

Project:
 Revisions:

Seal:
 Lic. # LA0000889
 Member: A.S.L.A.

Drawing: Landscape Details
 Date: 10/19/2018
 Scale: NTS
 Drawn by: AM
 Sheet No.:
L-3
 Cad Id.: 2018-073