## PRELIMINARY AND FINAL MAJOR SITE PLAN

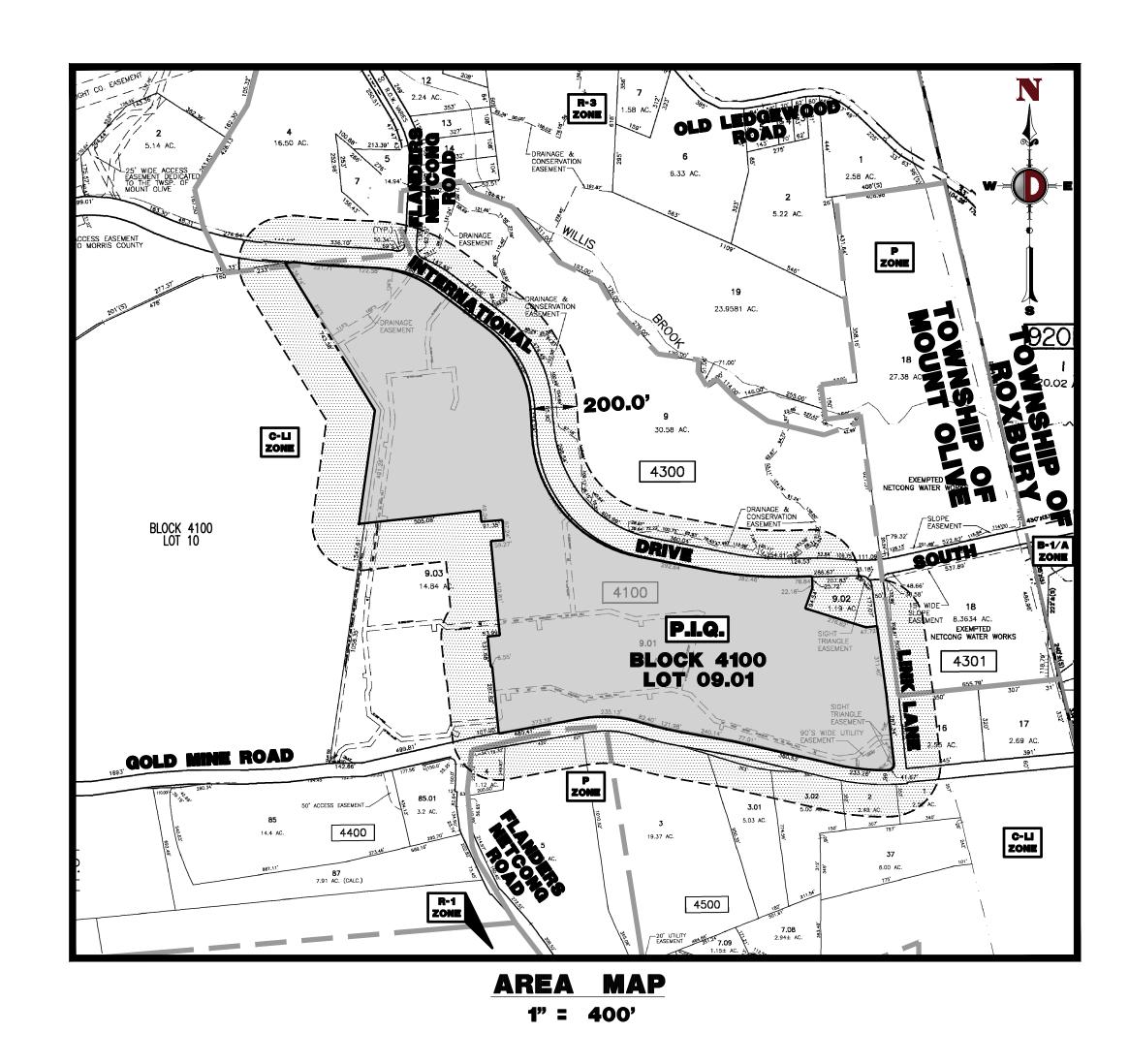
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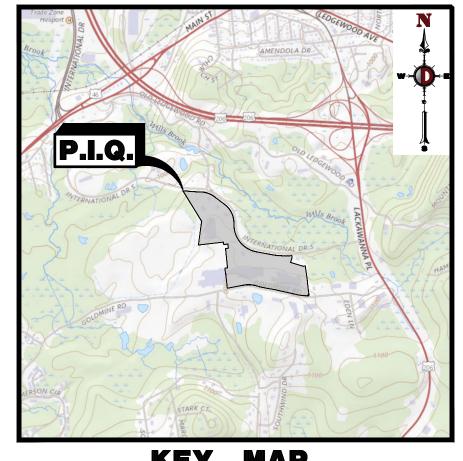
### PEARLAND RJR, LLC PROPOSED RESTAURANT PAD SITE W/DRIVE-THRU

BLOCK 4100, LOT 9.01; TAX MAP SHEET #43 - LATEST REV. DATED 06-2007 10-50 INTERNATIONAL DRIVE SOUTH TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY

#### 200' PROPERTY OWNERS LIST

| DOODEDTY OWNED   |              | HIP OF MOUNT OLIVE | ALCO TO DE NOTICIED.   |
|--|--------------|--------------------|--|
| PROPERTY OWNER PEARLAND RJR LLC  | <u>BLOCK</u> | <u>LOT</u>         | ALSO TO BE NOTIFIED:  BRUCE D. SMITH   |
| 180 S BEVERLY DR STE 700<br>OS ANGELES, CA 90035                                     | 4100         | 9.01               | HACKETTSTOWN MUNICIPAL UTILITIES AUTHORITY<br>P.O BOX 450<br>HACKETTSTOWN, NJ 07840                              |
| PICATINNY FEDERAL CREDIT UNION 00 MINERAL SPRINGS DR 10VER, NJ 07801                 | 4100         | 9.02               | R. ALBANESE<br>NEW JERSEY NATURAL GAS<br>1415 WYCKOFF ROAD<br>WALL, NJ 07719                                     |
| WAL-MART RE BUSINESS TRUST<br>PO BOX 8050 MS 0555<br>BENTONVILLE, AR 72716           | 4100         | 9.03               | BRUCE REYNOLDS COLUMBIA GAS TRANSMISSION CORP  |
| COMBE FILL CORP %GOLD MINE RD SOLAR<br>25 HALF MILE RD STE 300<br>RED BANK, NJ 07701 | 4100         | 10                 | 1470 POORHOUSE ROAD<br>DOWNINGTOWN. PA 19335-342   |
| /AYLA, ERHAN/TURAN, ISMET<br>170 BRENTWOOD AVE<br>BETHLEHEM, PA 18017                | 4100         | 114                | MT OLIVE TOWNSHIP, WATER & SEWER DEPARTMEI<br>P.O BOX 450<br>204 FLANDERS-DRAKESTOWN ROAD<br>MT OLIVE, NJ 07828  |
| THOMPSON, CATHERINE<br>O FLANDERS—NETCONG RD<br>TLANDERS, NJ 07836                   | 4105         | 4                  | N.J. DEPARTMENT OF TRANSPORTATION<br>1035 PARKWAY DR CN 600<br>TRENTON, NJ 08625                                 |
| KISHPAUGH, WILLIAM G & SUSAN SHARON<br>14 FLANDERS-NETCONG RD<br>FLANDERS, NJ 07836  | 4105         | 7                  | PUBLIC SERVICE ELECTRIC & GAS COMPANY<br>MANAGER— CORPORATE PROPERTIES<br>80 PARK PLAZA, T6B<br>NEWARK, NJ 07102 |
| BROWN, PHILLIP C/TARYN A<br>8 FLANDERS-NETCONG RD<br>LANDERS, NJ 07836               | 4105         | 8                  | NEW JERSEY- AMERICAN WATER CO. INC<br>P.O. BOX 5627<br>CHERRY HILL, NEW JERSEY 08034                             |
| SCI ITC SO. FUND%THOMSON REUTERS PTS<br>2.0 BOX 847<br>CARLSBAD, CA 92018            | 4300         | 9                  | APPLIED WASTEWATER MANAGEMENT<br>2 CLERICO LANE<br>HILLSBOROUGH, NJ 08844  |
| BOROUGH OF NETCONG<br>23 MAPLE AVE<br>NETCONG, NJ 07857                              | 4300         | 18                 |  |
| SKODA CONTRACTING CO<br>74 GOLD MINE RD<br>"LANDERS, NJ 07836<br>BOROUGH OF NETCONG  | 4301         | 16                 |  |
| 23 MAPLE AVE<br>NETCONG, NJ 07857  | 4301         | 18                 |  |
| HUNKELE EQUITIES LLC<br>60 GOLDMINE RD UNIT #9<br>FLANDERS, NJ 07836                 | 4400         | 85.01              |  |
| COLLIOUD ENTRERPRISES TWO LLC<br>PO BOX 296<br>FLANDERS, NJ 07836                    | 4500         | 2                  |  |
| GOLDMINE PARTNERS, LLC<br>74 GOLD MINE RD<br>FLANDERS, NJ 07836                      | 4500         | 3                  |  |
| TRADE ZONE SOUTH INDUSTRIAL PARK<br>7 UPPER MOUNTAIN AVE<br>MONTVILLE, NJ 07045      | 4500         | 3.01               |  |
| SENATORE MORRISON BUS PARK%J LYNCH<br>421 WEST MAIN ST<br>300NTON, NJ 07005          | 4500         | 3.02               |  |
| MORRIS COUNTY MUNICIPAL UTILITIES<br>214A CENTER GROVE RD<br>AANDOLPH, NJ 07869      | 4500         | 4                  |  |
| MORRIS COUNTY MUNICIPAL UTILITIES<br>214A CENTER GROVE RD<br>RANDOLPH, NJ 07869      | 4500         | 5                  |  |





KEY MAP 1" = 2000'

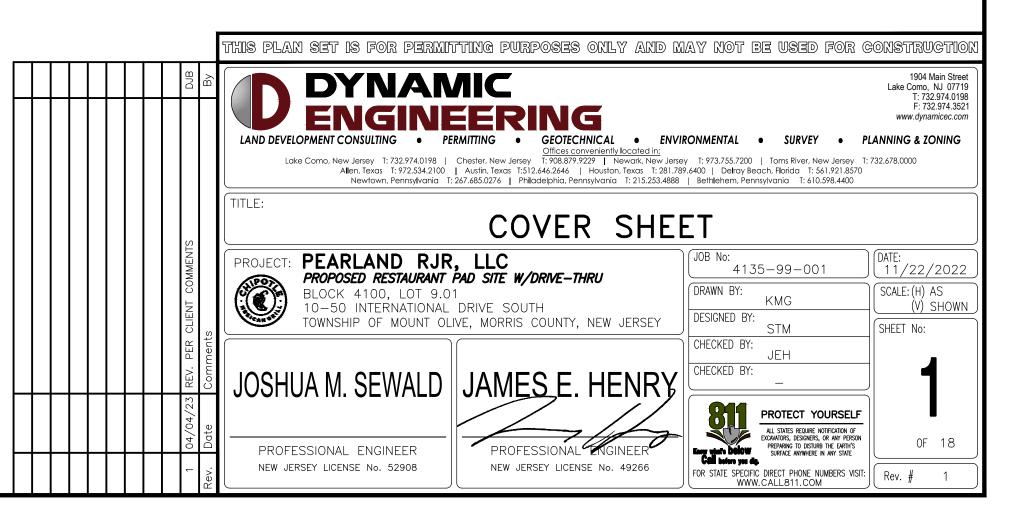
| DRAWING IN                           | DEX           |
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PLANNING BOARD APPROVAL APPROVED BY THE PLANNING BOARD OF TOWNSHIP OF MOUNT OLIVE, MORRIS COUNTY, NEW JERSEY DATE

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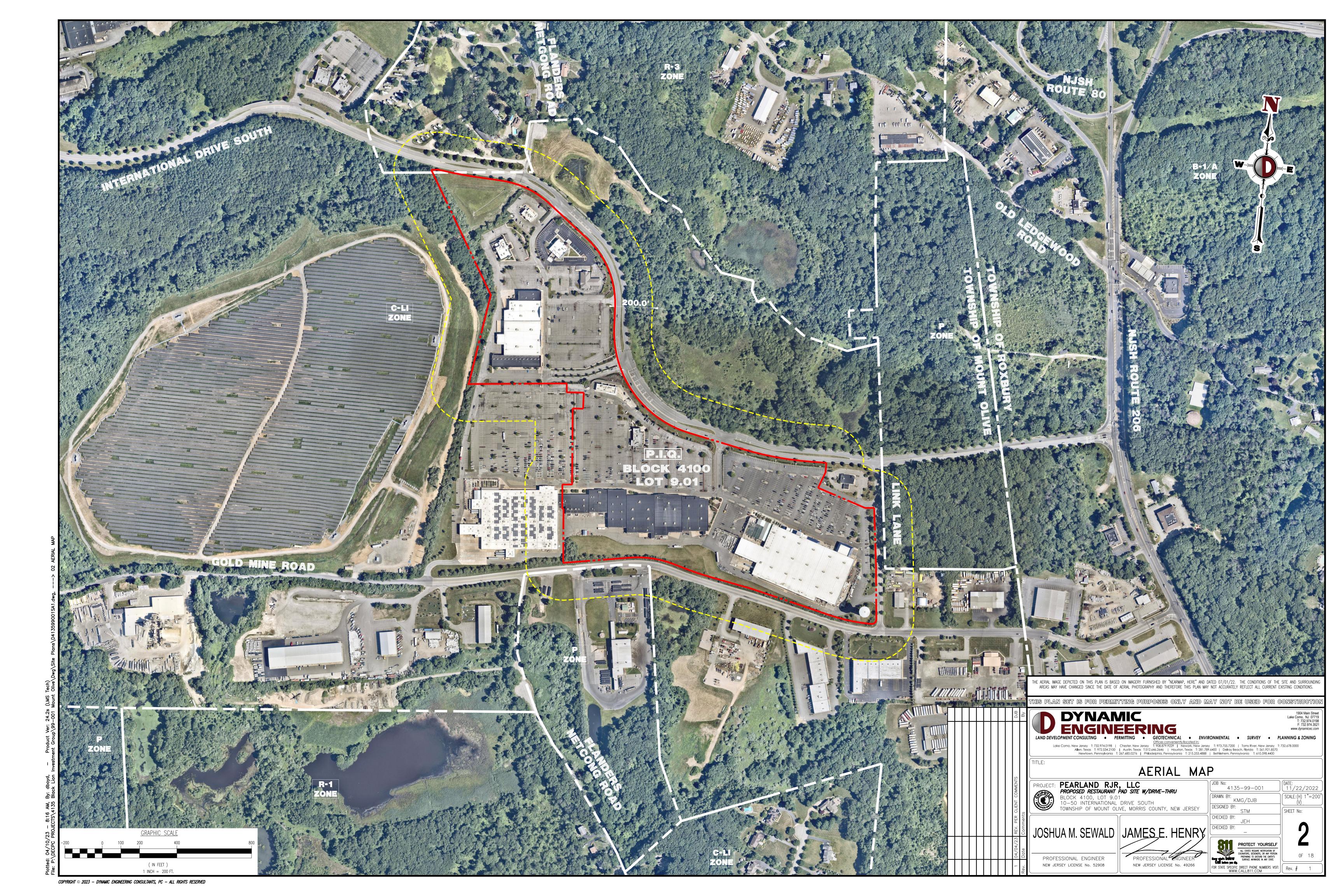
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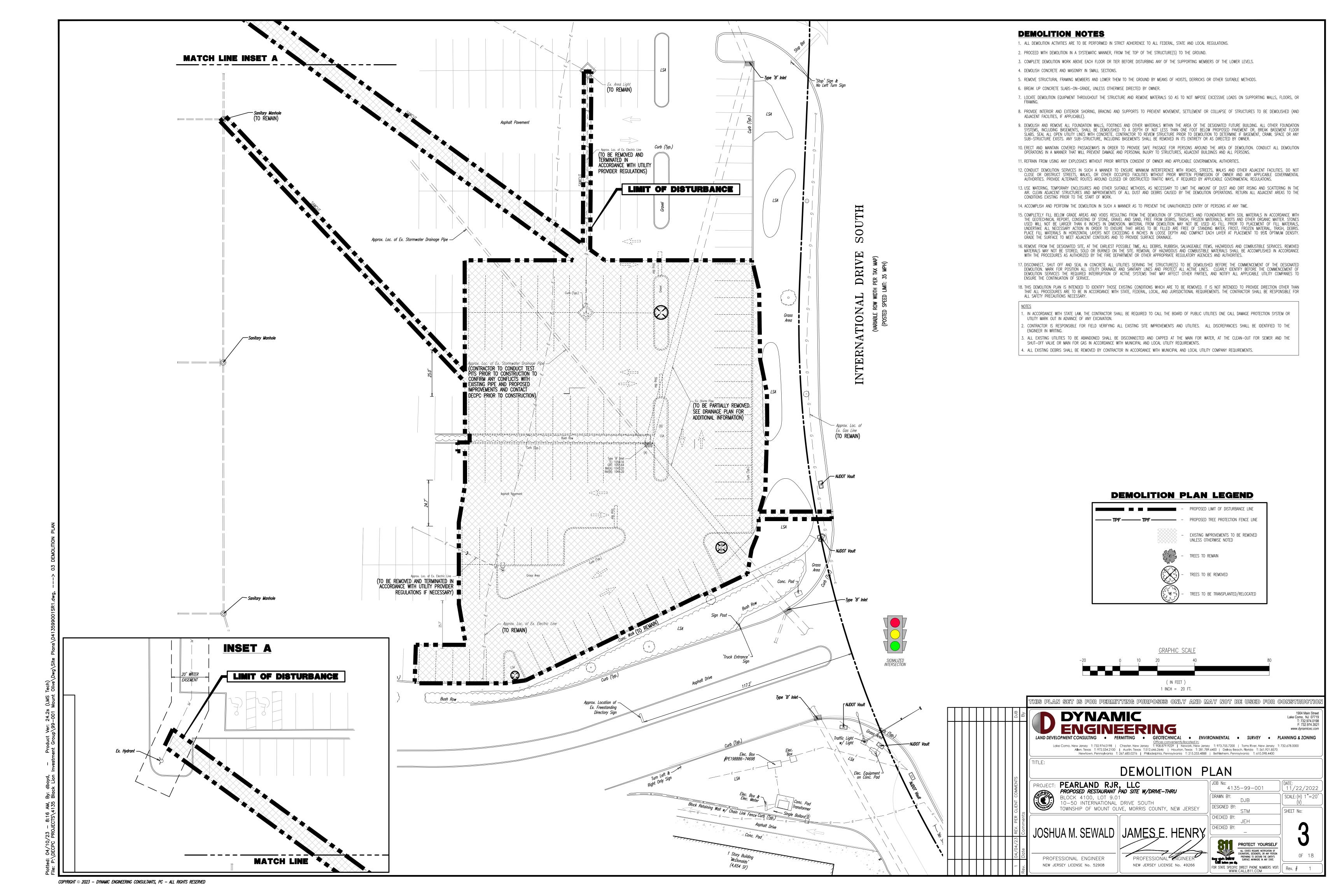
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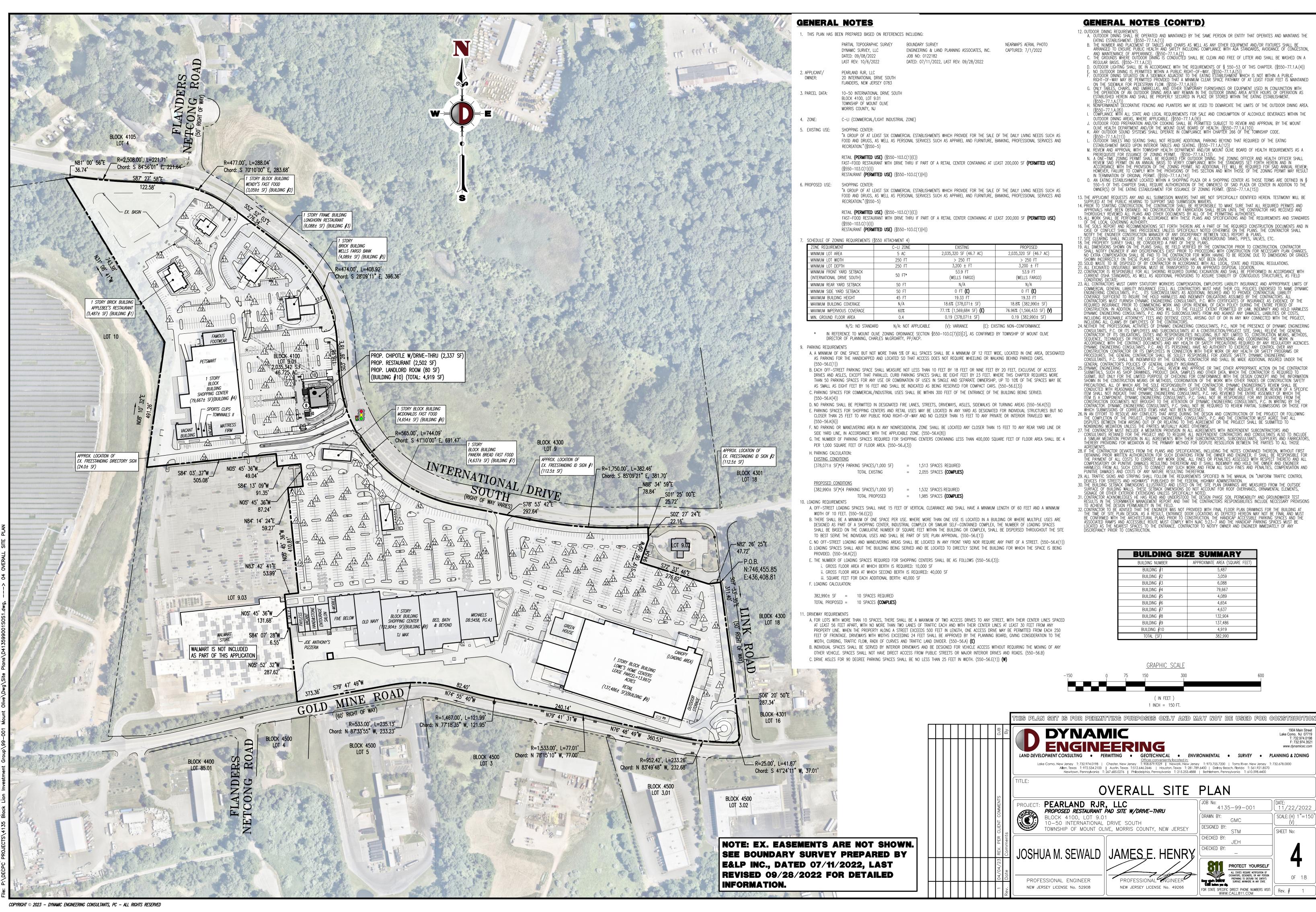


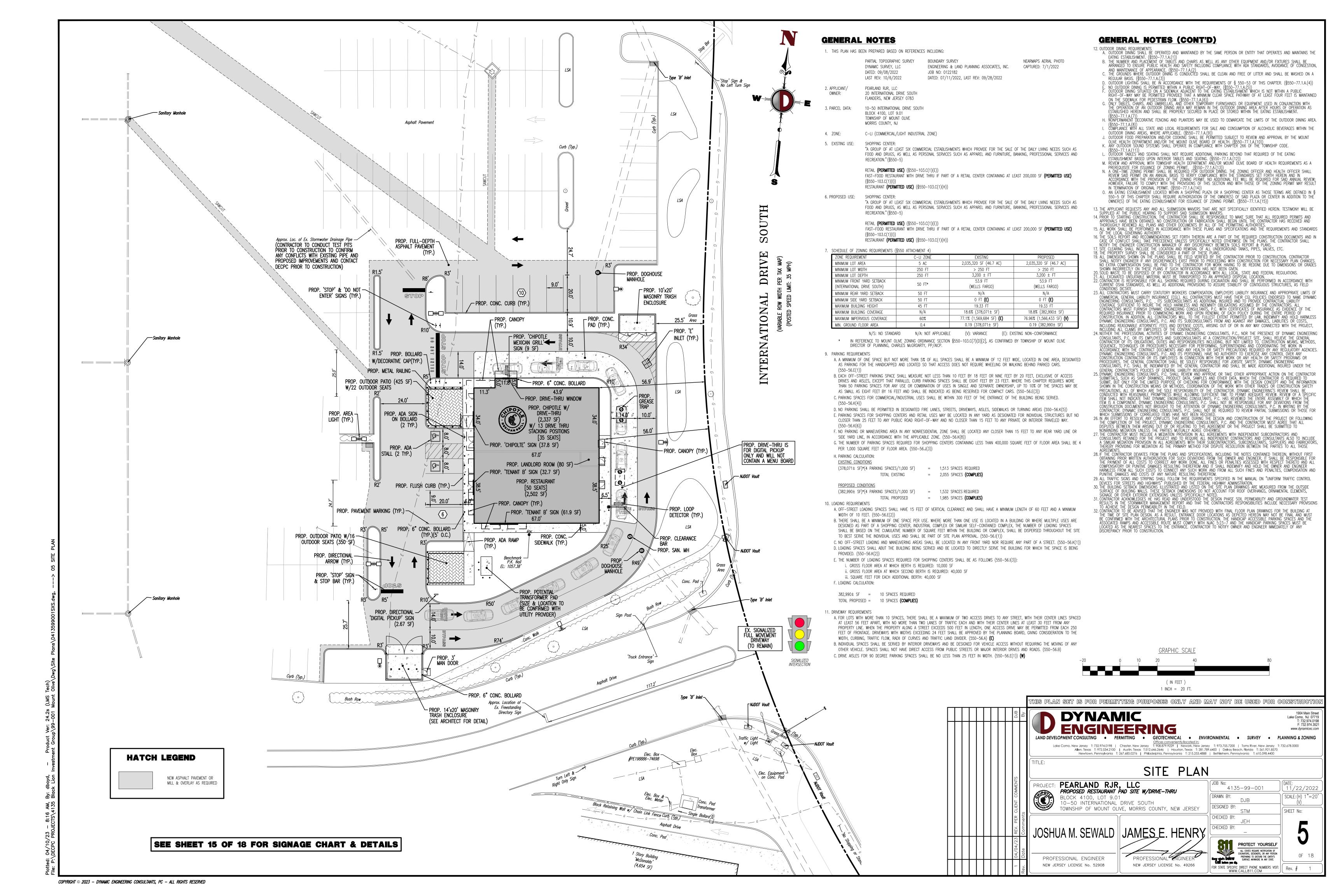
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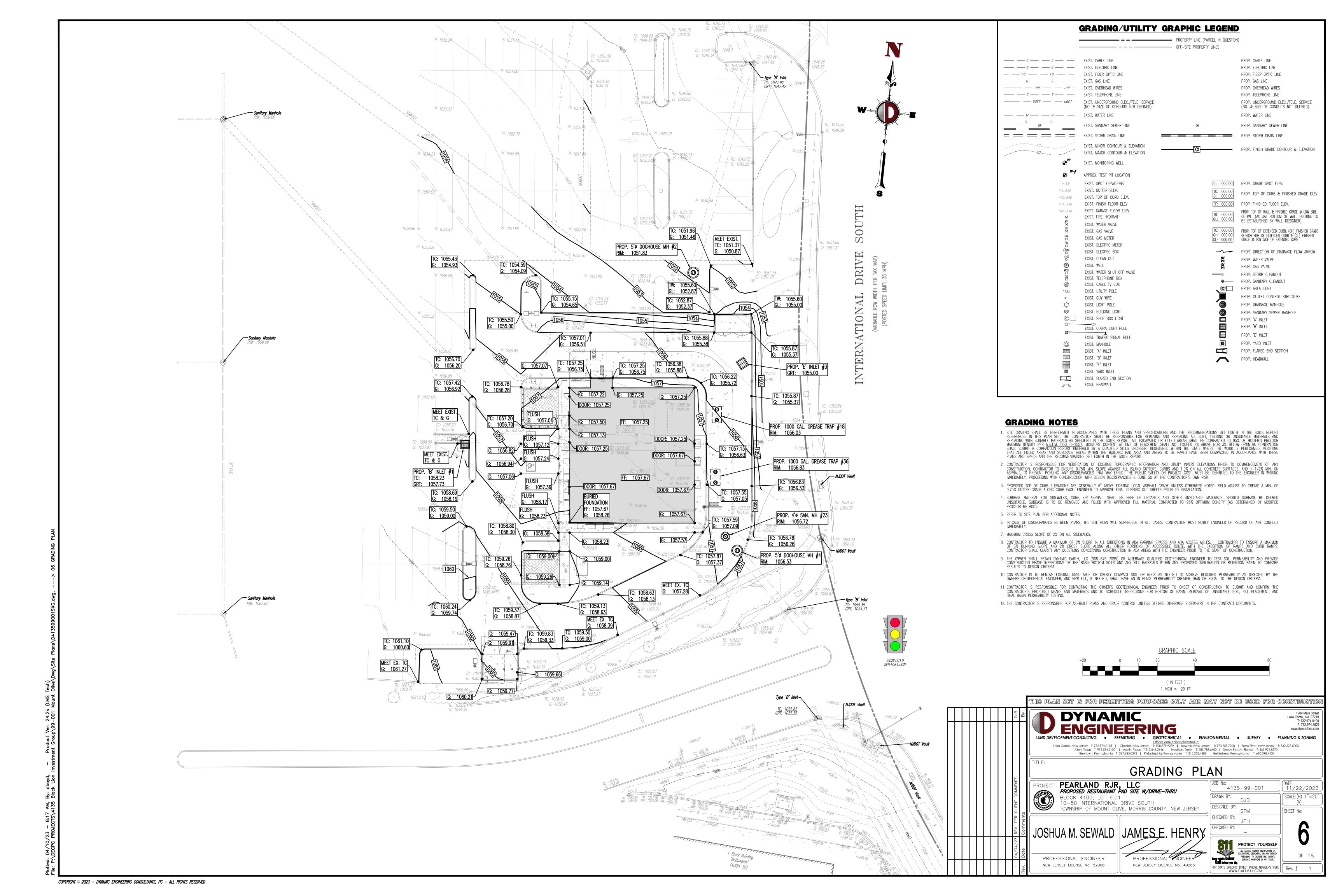
BOARD ENGINEER

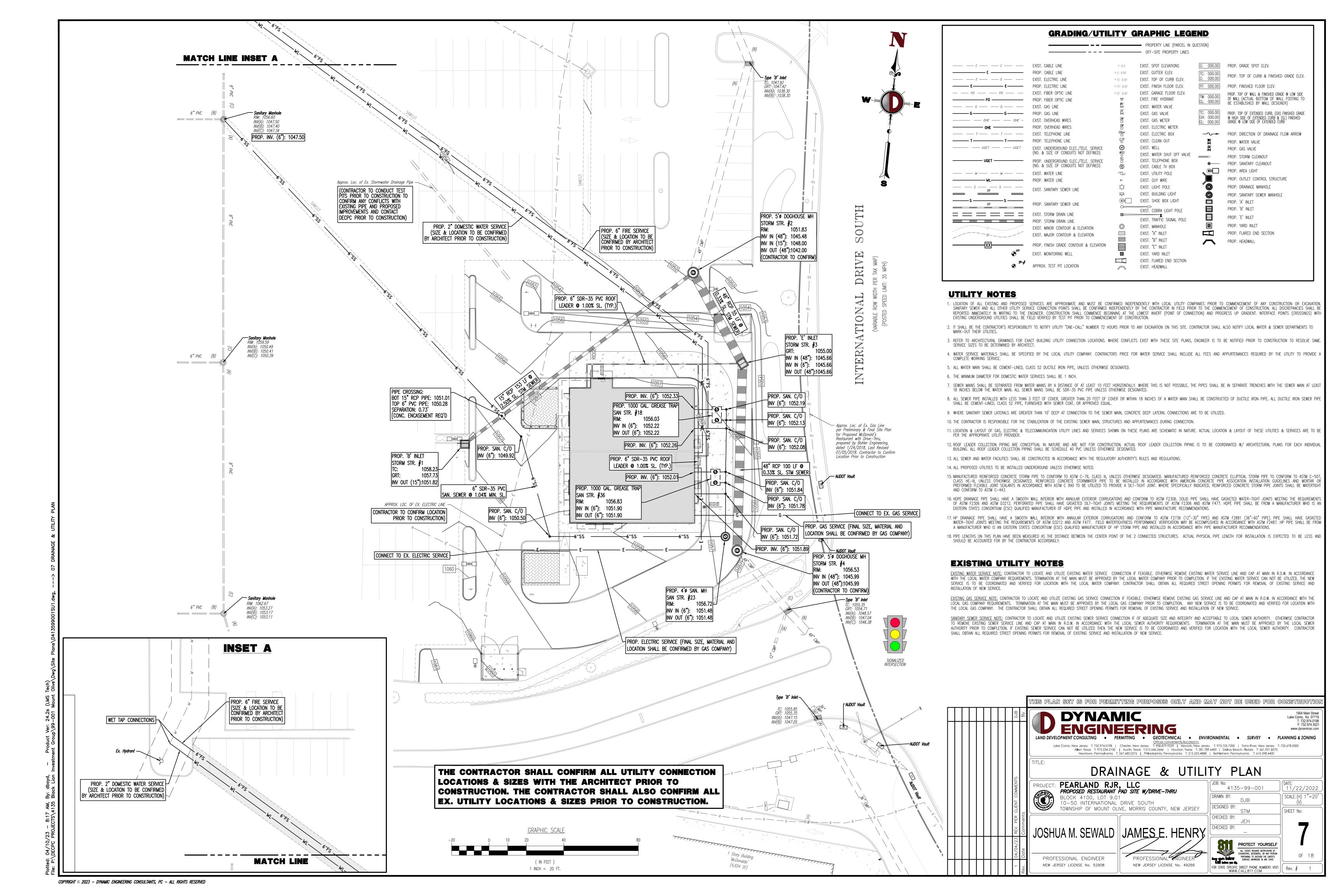


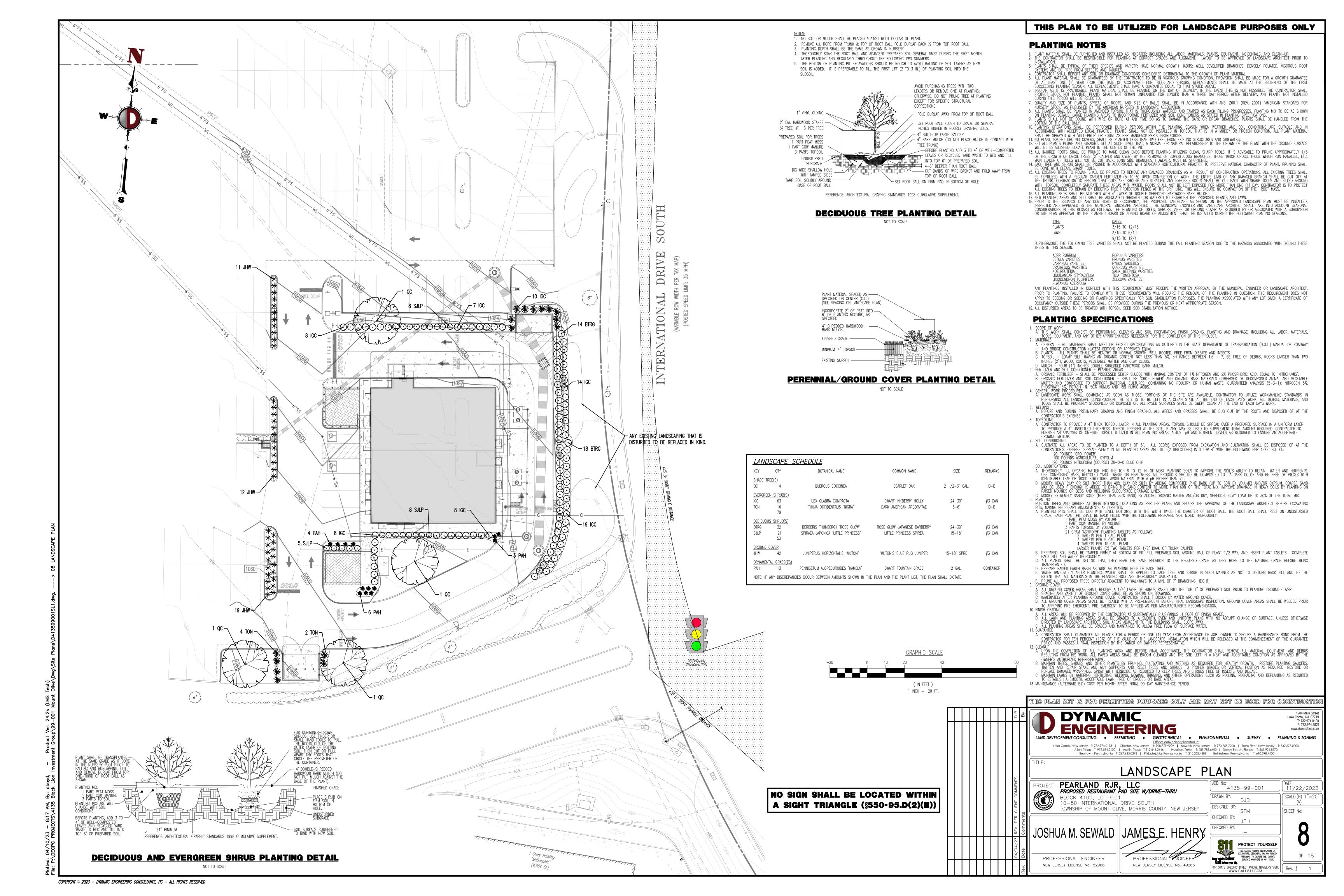


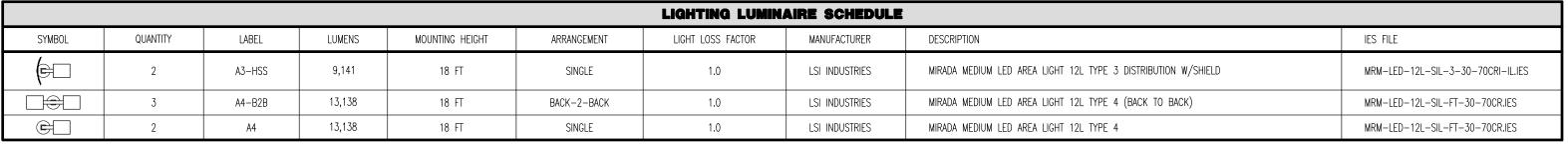












# APPROX. LIMIT OF 1.0 FC SISOLUX LINE (TYP.) APPROX. LIMIT OF 0.5 FC SOLUX LINE (TYP.) ISOLUX LINE (TYP.)



- A. ALL AREA LIGHTING SHALL PROVIDE FOR LIGHTS FOCUSED DOWNWARD, TRANSLUCENT FIXTURES AND SHIELDING OR SUCH OTHER LIGHT ORIENTATION AND SHIELDING TO PREVENT LIGHT SPILLAGE OFF
- THE SITE. (\$550-53)

  B. THE LIGHT INTENSITY PROVIDED AT GROUND LEVEL SHALL BE A MINIMUM OF 0.3 FOOTCANDLE ANYWHERE AND SHALL AVERAGE A MAXIMUM OF 0.5 FOOTCANDLE OVER THE ENTIRE AREA.
- C. NO LIGHT SOURCE SHALL EXCEED A HEIGHT OF 18 FEET. (\$550-53)

  D. FOR EACH FIXTURE AND LIGHTED SIGN, THE TOTAL QUANTITY OF LIGHT RADIATED ABOVE A HORIZONTAL PLANE PASSING THROUGH THE LIGHT SOURCE SHALL NOT EXCEED 7.5% OF THE TOTAL QUANTITY OF LIGHT EMITTED FROM THE LIGHT SOURCE. (\$550-53)

  E. ANY OUTDOOR LIGHTING SHALL BE SHOWN ON THE SITE PLAN IN SUFFICIENT DETAIL TO ALLOW DETERMINATION OF THE EFFECTS AT THE PROPERTY LINE AND ON NEARBY STREETS, DRIVEWAYS,
- RESIDENCES AND OVERHEAD SKY GLOW. (§550–53)

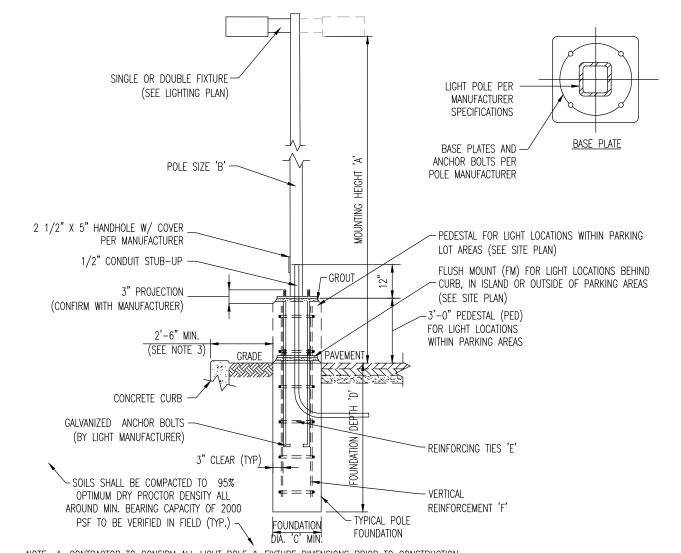
  F. NO LIGHT SHALL SHINE DIRECTLY INTO WINDOWS OR ONTO STREETS AND DRIVEWAYS IN SUCH A MANNER AS TO CREATE A NUISANCE OR INTERFERE WITH OR DISTRACT DRIVER VISION. (§550–53)

NOTE: NO EXISTING LIGHTING FIXTURES WERE MODELED AS PART OF THIS PLAN

#### THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

#### **GENERAL NOTES**

- 1. THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEFRING SOCIETY OF NORTH AMERICA (IFSNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- 2. ALL EXISTING CONDITIONS LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
- 3. CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FEET BEHIND GUIDERAIL POSTS.
- 4. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
- 5. REFER TO ARCHITECTURAL PLANS FOR SITE WIRING DIAGRAM.
- 6. THIS PLAN IS PREPARED SPECIFICALLY TO ANALYZE THE LIGHTING LEVELS GENERATED BY THE PROPOSED ON-SITE LIGHTING ONLY. EXISTING LIGHT FIXTURES BEYOND THE EXTENTS OF THIS DEVELOPMENT/PROPERTY ARE NOT MODELED IN THIS DESIGN, AND MAY ALTER ACTUAL LIGHT LEVELS AT THE PROPERTY LINES.



NOTE: 1. CONTRACTOR TO CONFIRM ALL LIGHT POLE & FIXTURE DIMENSIONS PRIOR TO CONSTRUCTION. 2. CONTRACTOR TO PROVIDE ADJUSTED POLE HEIGHT RESULTING IN MOUNTING HEIGHT 'A', TAKING INTO CONSIDERATION PEDESTAL (PED) OR FLUSH MOUNT (FM) FOUNDATION DESIGNATION AT EACH POLE LOCATION.

3. PROPOSED CONCRETE FOUNDATION AND POLE TO BE CONSTRUCTED WITHIN SUBJECT PROPERTY UNLESS OTHERWISE NOTED. SETBACK FROM CURB IS PREFERRED BUT TO BE ADJUSTED AS NEEDED TO PREVENT ENCROACHMENT OVER PROPERTY LINE.

4. BASE PLATE & ANCHOR BOLTS PER POLE MANUFACTURER. LARGER FOOTING DIAMETER AND/OR ALTERNATE ARANCEMENT OF REINFORCING STEEL MAY BE REQUIRED TO ACCOMMODATE ANCHOR BOLT CONFIGURATION. CONTRACTOR RESPONSIBLE TO COORDINATE DIMENSIONAL

REQUIREMENTS FOR BASE PLATE, ANCHOR BOLTS & REINFORCING STEEL PRIOR TO CONSTRUCTION.

| LIGHT POLE FOUNDATION          | SCHEDULE                           |
|--------------------------------|------------------------------------|
| DUNTING HEIGHT ABOVE GRADE 'A' | ≤ 18'                              |
| DLE DIA. 'B'                   | 6" SQUARE (OR PER<br>MANUFACTURER) |
| OF FIXTURES                    | SINGLE OR DOUBLE                   |
| DUNDATION DIAMETER 'C'         | 18" DIA. ROUND                     |
| DUNDATION DEPTH 'D'            | 7'                                 |
| EINFORCING TIES 'E'            | #4 @ 12" O.C.                      |
| ERTICAL REINFORCEMENT 'F'      | (6) #6 BARS EQUALLY<br>SPACED      |

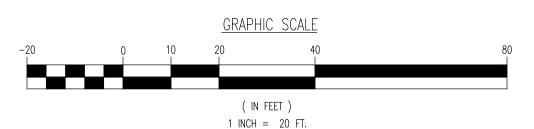
#### SOIL NOTES

- 1. FOOTING DESIGN BASED ON ASSUMED MAXIMUM ALLOWABLE SOILS BEARING CAPACITY OF 2,000 PSF. CONTRACTOR RESPONSIBLE TO VERIFY ADEQUACY OF ASSUMED BEARING CAPACITY PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED IF INCONSISTENCIES EXIST. 2. SUBGRADE TO BE FREE OF ORGANICS AND BE SUITABLE, COMPACTED MATERIAL.
- 1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS PER CUBIC YARD FOR ALL FOOTINGS.
- 2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1".
- 3. ALL EXPOSED CONCRETE SHALL BE AIR-ENTRAINED (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.
- 4. REINFORCING FRAMEWORK AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS AS WELL AS THE ACI AND UNIFORM BUILDING CODE.

#### **AREA LIGHT FOUNDATION DETAIL**

NOT TO SCALE

#### SEE SHEET 17 OF 18 FOR LIGHTING SPECIFICATIONS



Lake Como, NJ 07719 T: 732.974.0198 F: 732.974.3521 www.dynamicec.com LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING 



BLOCK 4100, LOT 9.01 10-50 INTERNATIONAL DRIVE SOUTH TOWNSHIP OF MOUNT OLIVE, MORRIS COUNTY, NEW JERSEY

DESIGNED BY: CHECKED BY:

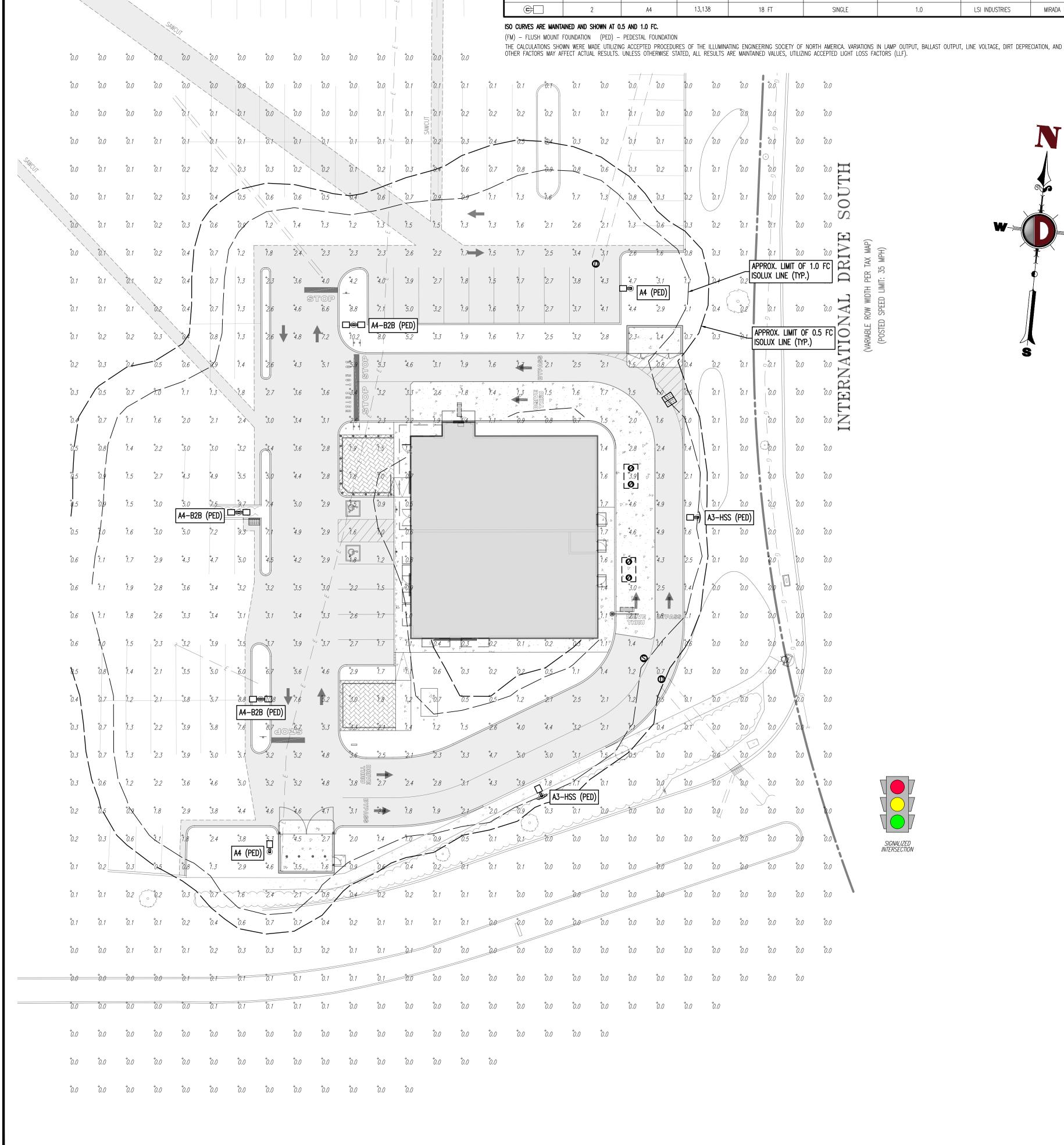
PROTECT YOURSELF EAGUATORS, DESIGNERS, OR ANY PENPREPARING TO DISTURB THE EARTH'S
SURFACE ANYWHERE IN ANY STATE FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL.811.COM

SCALE: (H) 1"=20

SHEET No:

4135-99-001

DRAWN BY:



PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 52908

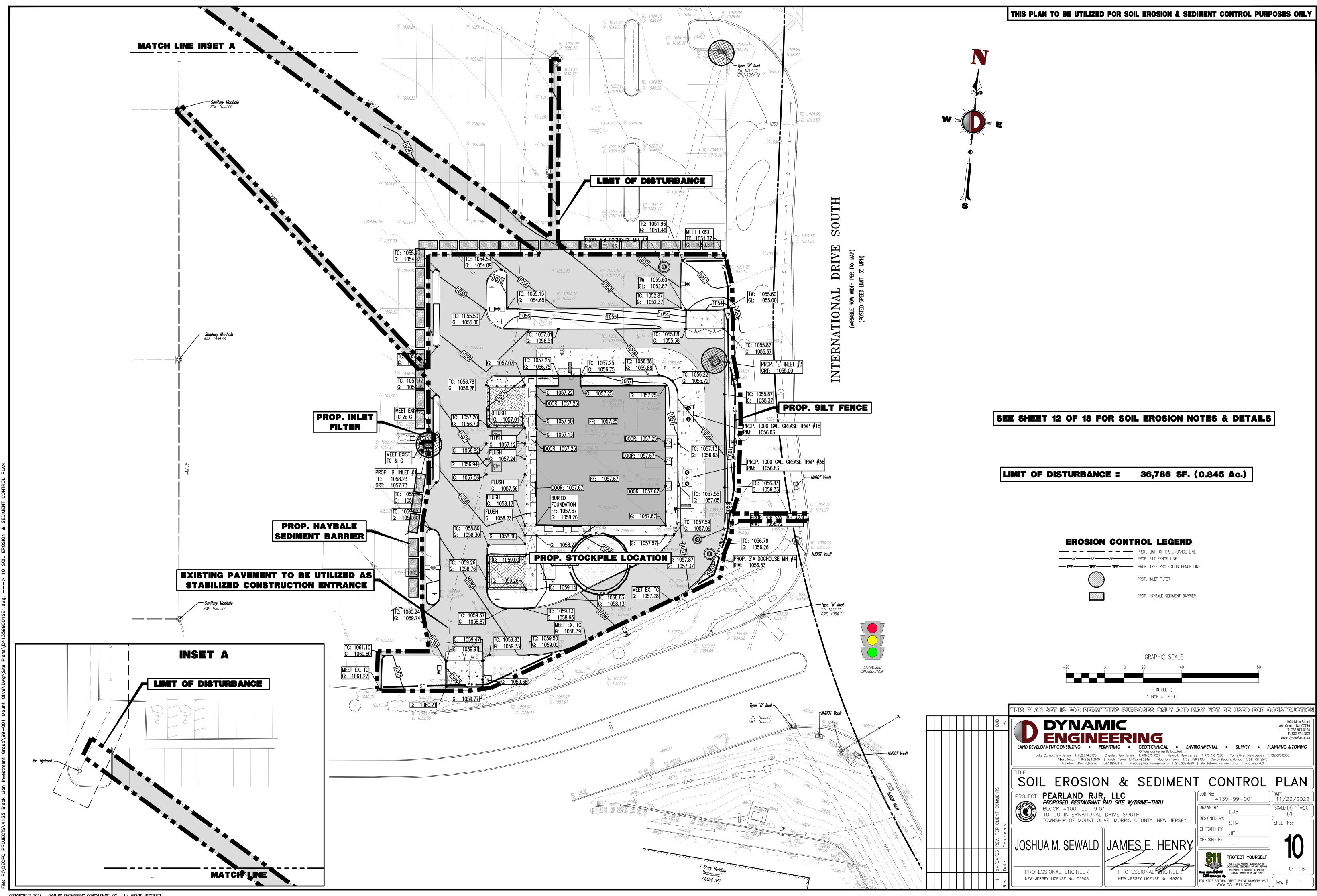
PROJECT: PEARLAND RJR, LLC

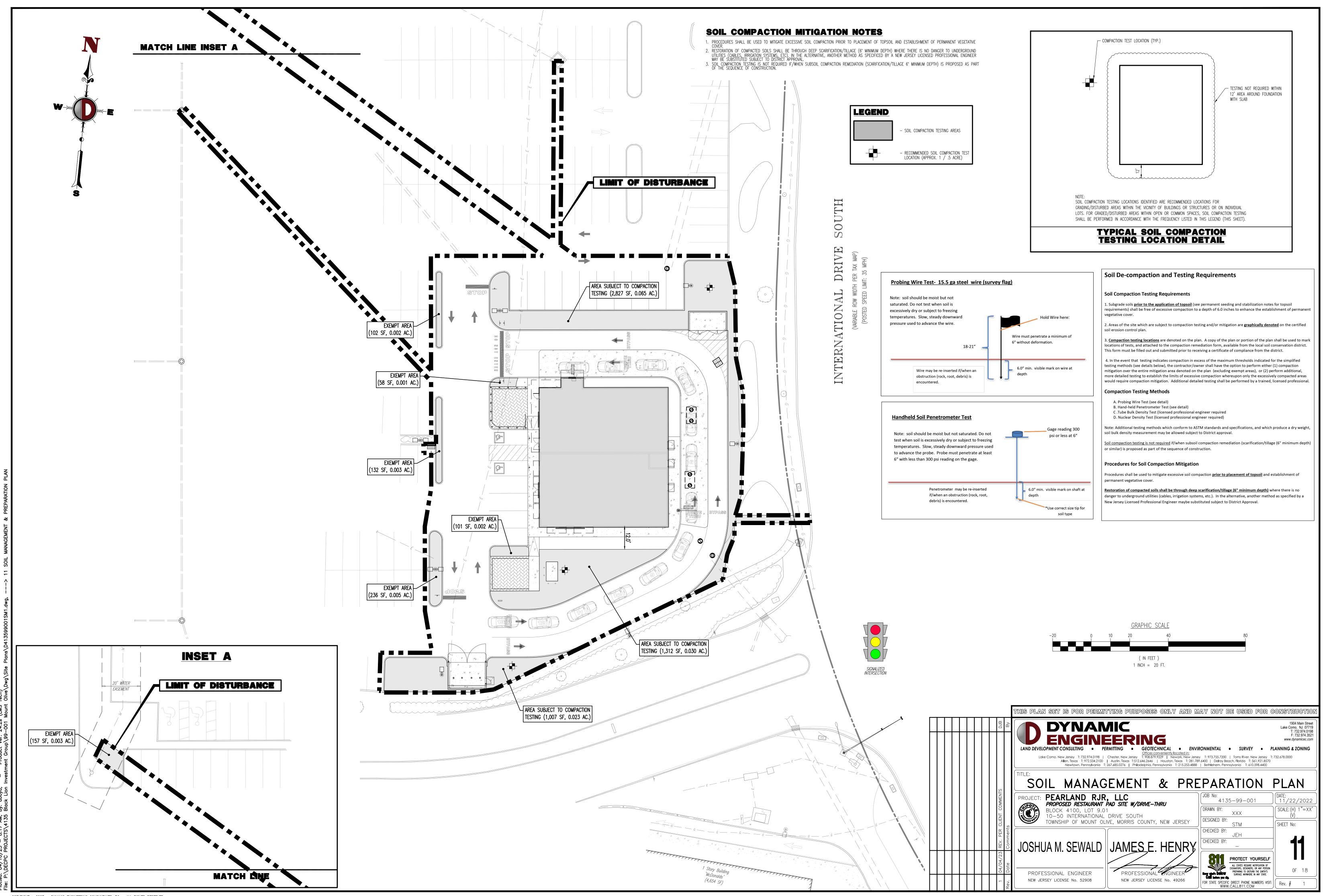
PROPOSED RESTAURANT PAD SITE W/DRIVE-THRU

JOSHUA M. SEWALD JAMES E. HENRY

NEW JERSEY LICENSE No. 49266

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#### MORRIS COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE <u>STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY</u>, AND WILL BE IN PLACE PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- 2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH STRAW OR HAY AND TACKED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS. SEE NOTE 21 BELOW.
- 3. PERMANENT VEGETATION IS TO BE ESTABLISHED ON EXPOSED AREA WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH IS TO BE USED FOR PROTECTION UNTIL VEGETATION IS ESTABLISHED. SEE NOTE 22 BELOW.
- 4. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS (STEEP SLOPES, SANDY SOILS, AND WET CONDITIONS) SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN ACCORDANCE WITH NOTE 21 BELOW.
- 5. TEMPORARY DIVERSION BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS. SEE THE DIVERSION DETAIL.
- 6. PERMANENT SEEDING AND STABILIZATION TO BE IN ACCORDANCE WITH THE "STANDARDS FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION COVER". SPECIFIED RATES AND LOCATIONS SHALL BE ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
- 7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SO THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- 8. ALL SEDIMENTATION STRUCTURES (SILT FENCE, INLET FILTERS, AND SEDIMENT BASINS) WILL BE INSPECTED AND MAINTAINED DAILY.
- 9. STOCKPILES SHALL NOT BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, DRAINAGE FACILITY, OR ROADWAY. ALL STOCKPILE BASES SHALL HAVE A SILT FENCE PROPERLY ENTRENCHED AT THE TOE OF THE SLOPE.
- 10.A STABILIZED CONSTRUCTION ACCESS WILL BE INSTALLED WHENEVER AN EARTHEN ROAD INTERSECTS WITH A PAVED ROAD. SEE THE STABILIZED CONSTRUCTION ACCESS DETAIL AND CHART FOR DIMENSIONS.
- 11.ALL NEW ROADWAYS WILL BE TREATED WITH SUITABLE SUB-BASE UPON ESTABLISHMENT OF FINAL GRADE ELEVATIONS.
- 12.PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- 13.BEFORE DISCHARGE POINTS BECOME OPERATIONAL, ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED AS REQUIRED.
- 14.ALL DEWATERING OPERATIONS MUST BE DISCHARGED DIRECTLY INTO A SEDIMENT FILTER AREA. THE FILTER SHOULD BE COMPOSED OF A FABRIC OR APPROVED MATERIAL. SEE THE DEWATERING DETAIL.
- 15.ALL SEDIMENT BASINS WILL BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 50%. A CLEAN OUT ELEVATION WILL BE IDENTIFIED ON THE PLAN AND A MARKER INSTALLED ON THE SITE.
- 16.DURING AND AFTER CONSTRUCTION THE APPLICANT WILL BE RESPONSIBLE FOR THE MAINTENANCE AND UPKEEP OF THE DRAINAGE STRUCTURES, VEGETATION COVER, AND ANY OTHER MEASURES DEEMED APPROPRIATE BY THE DISTRICT. SAID RESPONSIBILITY WILL END WHEN COMPLETED WORK IS APPROVED BY THE MORRIS COUNTY SOIL
- 17.ALL TREES OUTSIDE THE DISTURBANCE LIMIT INDICATED ON THE SUBJECT PLAN OR THOSE TREES WITHIN THE DISTURBANCE AREA WHICH ARE DESIGNATED TO REMAIN AFTER
- 18.THE MORRIS COUNTY SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON-SITE OR OFF-SITE EROSION PROBLEMS DURING CONSTRUCTION. 19.THE MORRIS COUNTY SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 72 HOURS PRIOR TO ANY LAND DISTURBANCE AND A PRE-CONSTRUCTION
- 20. TOPSOIL STOCKPILE PROTECTION
- A. APPLY GROUND LIMESTONE AT A RATE OF 90 LBS. PER 1,000 SF. B. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS. PER 1.000 SF
- . APPLY PERENNIAL RYEGRASS SEED AT 1 LB. PER 1,000 SF AND ANNUAL RYEGRASS AT 1 LB. PER 1,000 SF. . MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 90 LBS. PER 1,000 SF.

CONSTRUCTION ARE TO BE PROTECTED WITH TREE PROTECTION DEVICES. SEE THE TREE PROTECTION DETAIL.

- APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH. F. PROPERLY ENTRENCH A SILT FENCE AT THE BOTTOM OF THE STOCKPILE.
- 21. TEMPORARY STABILIZATION SPECIFICATIONS
- A. APPLY GROUND LIMESTONE AT A RATE OF 90 LBS. PER 1,000 SF B. APPLY FERTILIZER (10-20-10) AT A RATE OF 11 LBS. PER 1.000 SF.
- . APPLY PERENNIAL RYEGRASS SEED AT 1 LB. PER 1,000 SF AND ANNUAL RYEGRASS AT 1 LB. PER 1,000 SF. MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 90 LBS PER 1,000 SF.
- E. APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.
- 22. PERMANENT STABILIZATION SPECIFICATIONS
- A. APPLY TOPSOIL TO A DEPTH OF 5 INCHES (UNSETTLED). B. APPLY GROUND LIMESTONE AT A RATE OF 90 LBS. PER 1,000 SF AND WORK FOUR INCHES INTO SOIL.
- D. APPLY HARD FESCÙE SEED AT 2.7 LBS PER 1,000 SF AND CREEPING RED FESCUE SEED AT 0.7 LBS. PER 1,000 SF AND PERENNIAL RYEGRASS SEED AT 0.25 LBS. PER
- E. MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 90 LBS. PER 1,000 SF. F. APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.

#### STANDARD FOR STABILIZATION WITH MULCH ONLY

- A GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION. SEEDING, MULCH APPLICATION, AND MULCH ANCHORING, ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING. B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT
- 2 PROTECTIVE MATERIALS A. UNROTTED SMALL-GRAIN STRAW, AT 2.0 TO 2.5 TONS PER ACRE, IS SPREAD UNIFORMLY AT 90 TO 115 POUNDS PER 1,000 SQUARE FEET AND ANCHORED WITH A MULCH ANCHORING TOOL, LIQUID MULCH BINDERS, OR NETTING TIE DOWN. OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT. THE APPROVED RATES ABOVE HAVE BEEN MET WHEN THE MULCH COVERS THE GROUND COMPLETELY UPON VISUAL INSPECTION, I.E. THE SOIL CANNOT BE
- B. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE MANUFACTURER. C. WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE (OR ACCORDING TO THE MANUFACTURER'S REQUIREMENTS) MAY BE APPLIED BY A HYDROSEEDER
- E. WOODCHIPS APÉLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED. WOODCHIPS WILL NOT BE USED ON AREAS WHERE FLOWING WATER COULD WASH THEM INTO AN INLET AND PLUG 17 F. GRAVEL, CRUSHED STONE, OR SLAG AT THE RATE OF 9 CUBIC YARDS PER 1,000 SQ. FT. APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 3 INCHES MAY BE USED. SIZE 2 OR 3 (ASTM C-33) IS RECOMMENDED.
- 3. MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT OF HAY OR STRAW MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS. DEPENDING UPON THE SIZE OF THE AREA AND STEEPNESS OF SLOPES. A PEG AND TWINE B MULCH NETTINGS
- C. CRIMPER MULCH ANCHORING COULTER TOOL D. LIQUID MULCH-BINDERS

D. MULCH NETTING, SUCH AS PAPER JUTE, EXCELSIOR, COTTON, OR PLASTIC, MAY BE USED.

#### STANDARD FOR DUST CONTROL

DEFINITION - THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS. PURPOSE - TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON-AND OFF- SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC WHERE APPLICABLE - THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:

MULCHES - SEE STANDARDS FOR STABILIZATION WITH MULCHES ONLY VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER, PERMANENT VEGETATIVE COVER, AND PERMANENT STABILIZATION WITH SOD. SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MOCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

|                 | WATER DILUTION | TYPE OF NOZZLE | APPLY GALLONS/ACRE |
|-----------------|----------------|----------------|--------------------|
| ANIONIC ASPHALT | 7:1            | COARSE SPRAY   | 1,200              |
| EMULSION        |                |                |                    |
| LATEX EMULSION  | 12.5:1         | FINE SPRAY     | 235                |
| RESIN IN WATER  | 4:1            | FINE SPRAY     | 300                |

TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING - TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED FEFECT. <u>SPRINKLING</u> - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS. STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

#### STANDARD FOR PERMANENT VEGETATIVE **COVER FOR SOIL STABILIZATION**

- A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5
- INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS. AND WATERWAYS.

- A. UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (HTTP://NJAES.RUTGERS.EDU/COUNTY/) - FERTÍLIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES, IF FERTILIZER IS NOT INCORPORATED
- APPLY ONE-HALF THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING. B. WORK LIME AND FERTILIZER INTO THE TOPSOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING-TOOTH HARROW, OR OTHER SUITABLE
- EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS C. HIGH ACID PRODUCING SOIL. SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE BEFORE INITIATING SEEDBED REPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

#### SEEDING

- A. PERMANENT VEGETATIVE MIXTURES & PLANTING RATES HARD FESCUE -175 LBS/ACRE 4 LBS/1000 SQ.FT. CHEWING FESCUE 175 LBS/ACRE 4 LBS/1000 SQ.FT. STRONG CREEPING RED FESCUE - 175 LBS/ACRE 4 LBS/1000 SQ.FT. PERENNIAL RYEGRASS -45 LBS/ACRE 1 LBS/1000 SQ.FT. 45 LBS/ACRE 1 LBS/1000 SQ.FT.
- B. CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH. BY RAKING OR DRAGGING, DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL. C. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING
- EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED D. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORTFIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4-MULCHING BELOW). HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. WHEN POOR SEED TO SOIL CONTACT OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH.

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT.

A. STRAW OR HAY. UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1.5 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1.000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH—BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRÉ. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 85% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.

ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COST 1. PEG AND TWINE

- MULCH NETTINGS CRIMPER MULCH ANCHORING COULTER TOOL 4. LIQUID MULCH-BINDERS
- B. WOOD-FIBER OR PAPER-FIBER MULCH SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PRODUCT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEÉDING PERIODS IN SPRING AND FALL.
- C. PELLETIZED MULCH COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS, AND COLORING AGENTS. THE DRY PELLETS, WHEN APPLIED TO A SEEDED AREA AND WATERED, FORM A MULCH MAT. PELLETIZED MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS/1,000 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENÓVATION AREAS, SEEDED AREAS WHERE WEEDSEED FREE MULCH IS DESIRED, OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE. APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER SPREADING PELLETIZED MULCH ON THE SEED BED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE.

#### STANDARD FOR TEMPORARY VEGETATIVE **COVER FOR SOIL STABILIZATION**

A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING, PG. 19-1 B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES,

MUNICIPAL, COUNTY, STATE AND MUA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE

SEDIMENT BASINS, AND WATERWAYS, SEE STANDARDS 11 THROUGH 42. C. IMMEDIATELY PRIOR TO SEEDING, THE SURFACE SHOULD BE SCARIFIED 6" TO 12" WHERE THERE HAS BEEN SOIL COMPACTION. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).

#### 2. SEEDBED PREPARATION

A. APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE. CALCIUM CARBONATE IS THE EQUIVALENT AND STANDARD FOR MEASURING THE ABILITY OF LIMING MATERIALS TO NEUTRALIZE SOIL ACIDITY AND SUPPLY CALCIUM

AND MAGNESIUM TO GRASSES AND LEGUMES.
B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS C. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILED IN ACCORDANCE WITH THE ABOVE.

D. SOILS HIGH IN SULFIDES OR HAVING A PH OF 4 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS. PG. 1-1.

#### A. TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTHS

(1) PERENNIAL RYEGRASS — 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 0.5 INCHES. 2) SPRING OATS - 86 LBS / ACRE. PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1, AT A DEPTH OF 1.0 INCHES. (3) WINTER BARLEY - 96 LBS / ACRE; PLANT BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 1.0 INCHES. (4) ANNUAL RYEGRASS - 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND JUNE 15 BETWEEN AUGUST 1 AND SEPTEMBER 15; AT A DEPTH OF 0.5 INCHES. (5) WINTER CEREAL RYE - 112 LBS / ACRE; PLANT BETWEEN AUGUST 1 AND NOVEMBER 15, AT A DEPTH OF 1.0 INCHES.

#### -WARM SEASON GRASSES:

(1) PEARL MILLET - 20 LBS / ACRE; PLANT BETWEEN MAY 15 AND AUGUST 15; AT A DEPTH OF 1.0 INCHES. (2) MILLET (GERMAN OR HUNGARIAN) - 30 LBS / ACRE; PLANT BETWEEN MAY 15 AND AUGUST 15; AT A DEPTH OF 1.0 INCHES.

B. CONVENTIONAL SEEDING. APPLY SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL, TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE TEXTURED SOIL.

. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK OR TRAILER MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION IV MULCHING) HYDROSEEDING IS NOT A PREFERRED SEEDING. METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL, POOR SEED TO SOIL CONTACT OCCURS REDUCING SEED GERMINATION AND GROWTH. HYDROSEEDING MAY BE USED FOR AREAS TOO STEEP FOR CONVENTIONAL EQUIPMENT TO TRAVERSE OR TOO OBSTRUCTED WITH ROCKS, STUMPS, ETC. D. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL

BE MAXIMIZED.

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL FROSION SHALL BE DEFMED COMPLIANCE WITH THIS MULCHING REQUIREMENT

A. STRAW OR HAY. UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.

ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COST 1. PEG AND TWINE MULCH NETTINGS

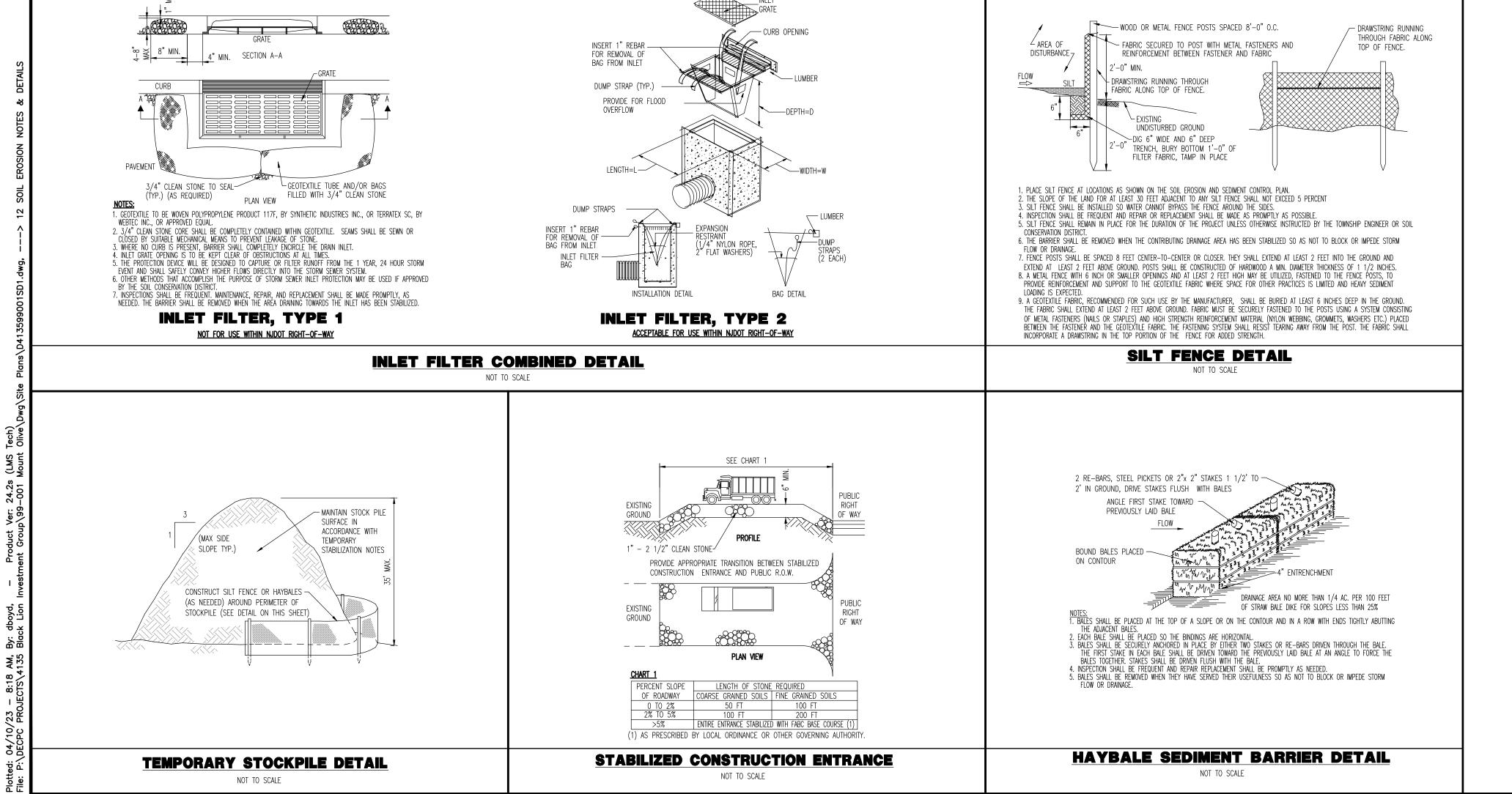
- 3. CRIMPER MULCH ANCHORING COULTER TOOL 4. LIQUID MULCH-BINDERS
- B. WOOD-FIBER OR PAPER-FIBER MULCH. SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PROJECT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. THIS MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

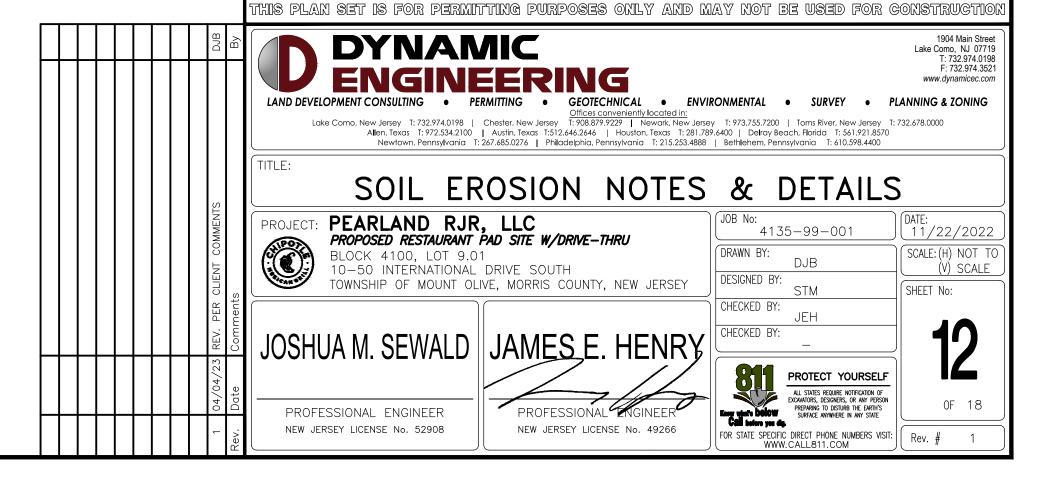
C. PELLETIZED MULCH. COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS AND COLORING AGENTS. THE DRY PELLETS, WHEN APPLIED TO A SEEDED AREA AND WATERED, FORM A MULCH MAT. PELLETIZED MULCH SHALL BE APPLIES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS./1,00 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENÓVATION AREAS, SEEDED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE.

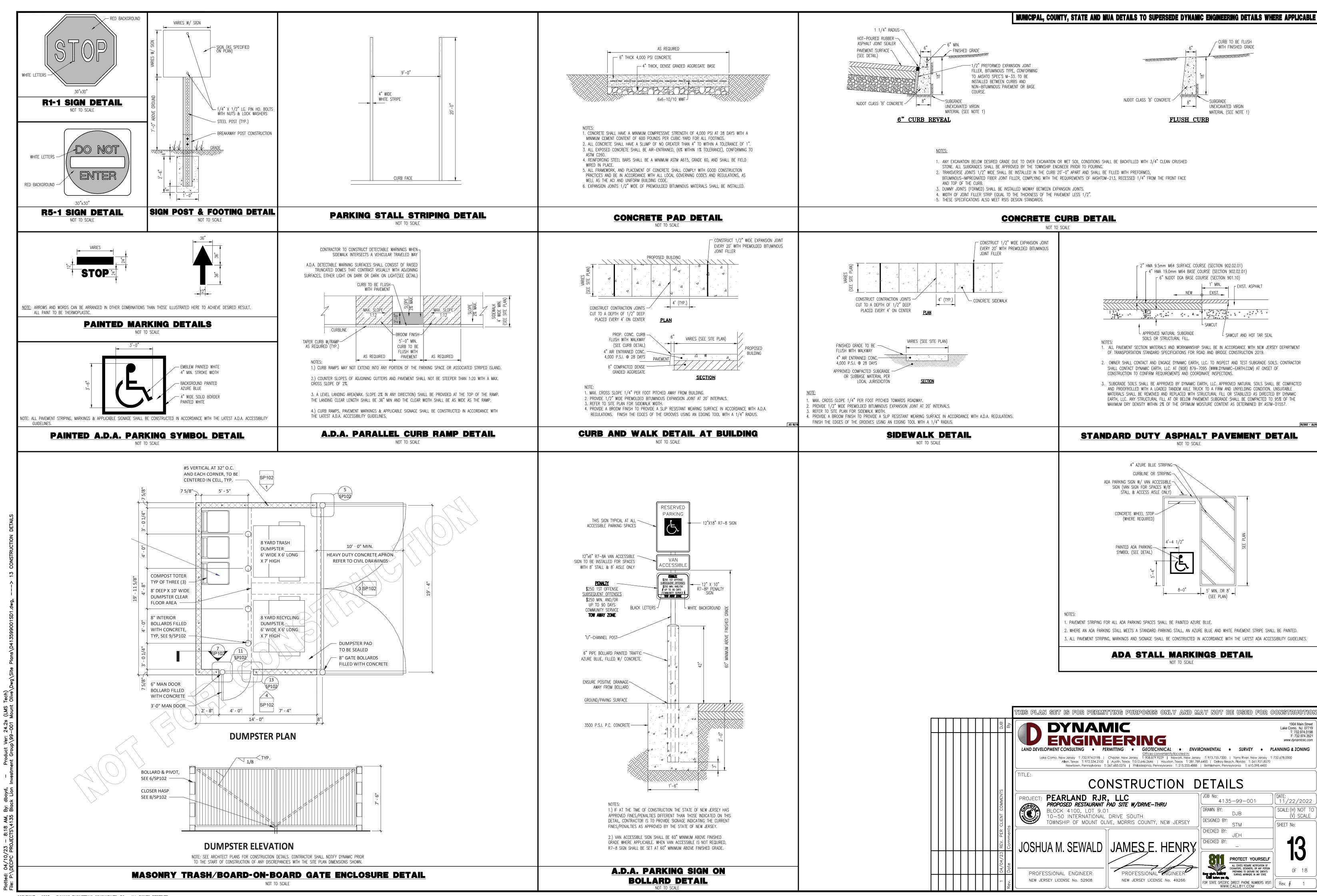
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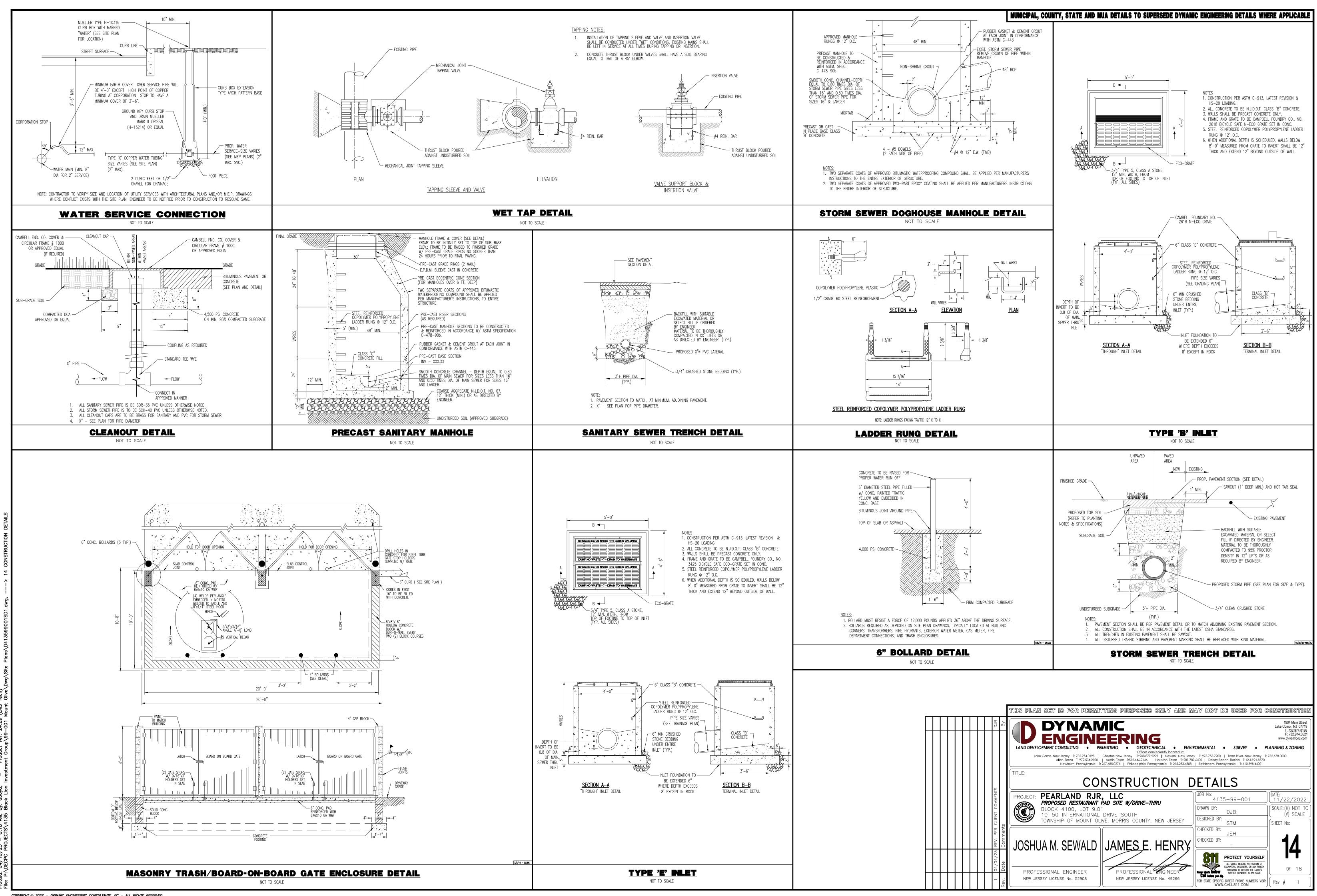
#### **SEQUENCE OF CONSTRUCTION:**

- PHASE 1: INSTALL STONE ANTI-TRACKING PAD AND OTHER SOIL EROSION SEDIMENT CONTROL MEASURES INCLUDING DOWN SLOPE
- PERIMETER (2 WEEKS) HAY BALES AND SILT FENCING PHASE 2: CLEAR AND ROUGH GRADE FOR NEW BUILDING SITE AND OTHER STRUCTURES REQUIRING EXCAVATION. (2 WEEKS) PHASE 3: EXCAVATION, CONSTRUCTION, EXCAVATE AND INSTALL UNDERGROUND PIPING AND DRAINAGE STRUCTURES. (3 WEEKS)
- PHASE 4: EXCAVATE FOR BUILDING FOUNDATION. (3 WEEKS)
- PHASE 5: COMPLETE BUILDING CONSTRUCTION. (8 MONTHS) PHASE 6: EXCAVATE AND INSTALL ON SITE IMPROVEMENTS INCLUDING CURBING. (4 WEEKS)
- PHASE 7: FINAL GRADING ON SITE. (4 WEEKS)
- PHASE 8: INSTALL PAVING, CONCRETE, AND FINAL VEGETATION INCLUDING SEEDING AND LANDSCAPING. (4 WEEKS)





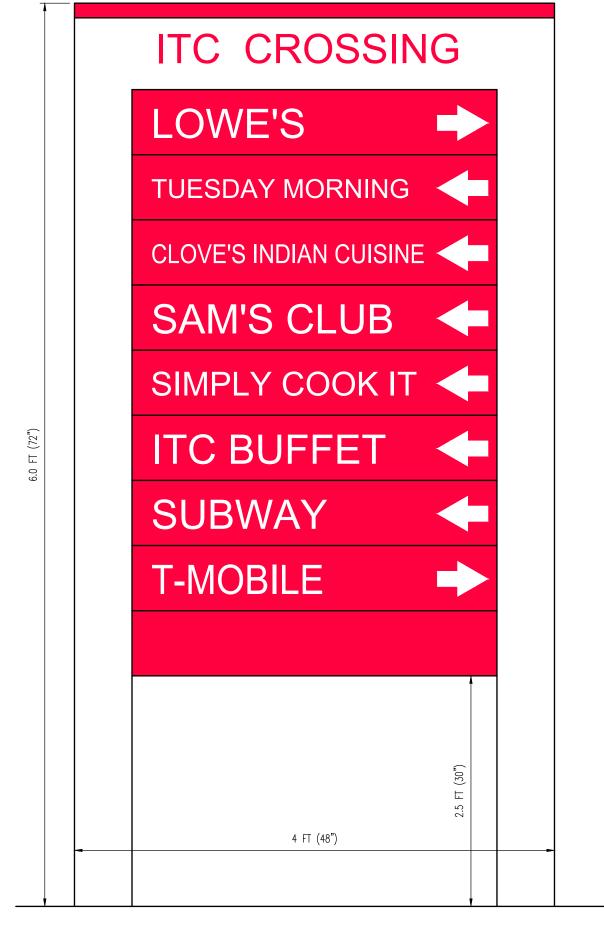




(LOCATED ACROSS STREET FROM LOWE'S)

#### EXISTING FREESTANDING ID SIGN #1

(TO REMAIN)



(LOCATED NEXT TO MCDONALDS)

#### EXISTING FREESTANDING DIRECTORY SIGN NOT TO SCALE

WALMART LOWE'S BABIES R US OLD NAVY TJ MAXX MICHAEL'S BED BATH & BEYOND 7.5 FT (90") 5.5 FT (66")

ITC CROSSING

(LOCATED ACROSS STREET FROM PICATINNY FEDERAL CREDIT UNION)

#### EXISTING FREESTANDING ID SIGN #2 NOT TO SCALE

(TO REMAIN)

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 52908

NO NEW FREESTANDING SIGN IS PROPOSED AS PART OF THIS APPLICATION.

# THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION PROPOSED RESTAURANT PAD SITE W/DRIVE—THRU BLOCK 4100, LOT 9.01 CONSTRUCTION DETAILS PROPOSED RESTAURANT PAD SITE W/DRIVE—THRU BLOCK 4100, LOT 9.01 10—50 DIFFERNATIONAL DRIVE SOUTH TOWNSHIP OF MOUNT OLIVE, MORRIS COUNTY, NEW JERSEY JOSHUA M. SEWALD JAMES E. HENRY PROTECT YOURSELF STM CHECKED BY: CHE

#### SIGNAGE CHART - SHOPPING CENTER

| SIGN                  | REQUIREMENTS          |         | EXISTING                        |               |
|-----------------------|-----------------------|---------|---------------------------------|---------------|
| FREESTANDING          | NUMBER OF SIGNS:      | TWO (2) | NUMBER OF SIGNS:                | 3 <b>[2</b> ] |
| (SHOPPING CENTER) [1] | MAXIMUM SIGN AREA:    | 300 SF  | SIGN AREA:                      |               |
|                       |                       |         | EX. FREESTANDING DIRECTORY SIGN | 24.0 SF       |
|                       |                       |         | EX. FREESTANDING ID SIGN 1      | 112.5 SF      |
|                       |                       |         | EX. FREESTANDING ID SIGN 2      | 112.5 SF      |
|                       | MAXIMUM SIGN HEIGHT:  | 30 FT   | SIGN HEIGHT:                    |               |
|                       |                       |         | EX. FREESTANDING DIRECTORY SIGN | 6.0 FT        |
|                       |                       |         | EX. FREESTANDING ID SIGN 1      | 15.0 FT       |
|                       |                       |         | EX. FREESTANDING ID SIGN 2      | 15.0 FT       |
|                       | MINIMUM SIGN SETBACK: | 50 FT   | SIGN SETBACK:                   |               |
|                       |                       |         | EX. FREESTANDING DIRECTORY SIGN | 117.2 FT      |
|                       |                       |         | EX. FREESTANDING ID SIGN 1      | N/A           |
|                       |                       |         | EV EDEESTANDING ID SIGN 2       | N/A           |

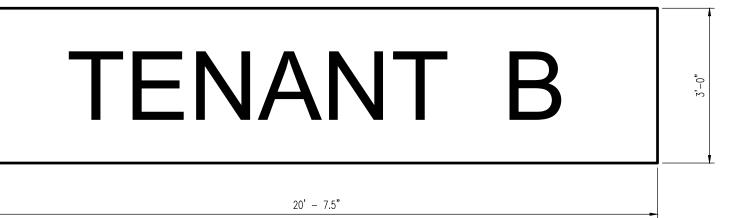
N/S: NO STANDARD N/A: NOT APPLICABLE (E): EXISTING NON-CONFORMANCE (V): VARIANCE

[1] IN LARGE-SCALE COMPREHENSIVELY PLANNED RETAIL/COMMERCIAL DEVELOPMENTS IN THE C-LI DISTRICT WHICH INCLUDE A RETAIL CENTER, TWO FREESTANDING MAIN PYLONS AND TWO CINEMA MARQUEES, EITHER FREESTANDING OR IN COMBINATION WITH THE MAIN PYLONS, SHALL BE PERMITTED WITHIN THE SETBACK AREAS OF THE DISTRICT IN ADDITION TO THE OTHER SIGNS PERMITTED IN THIS SECTION. EACH OF SUCH PYLONS AND MARQUEES SHALL NOT EXCEED A HEIGHT OF 30 FEET AND 300 SQUARE FEET IN SIGN FACE AREA PER SIDE. FREESTANDING SIGNS SHALL BE SITUATED OUTSIDE OF ANY SIGHT TRIANGLE AT STREET INTERSECTIONS AND ACCESS DRIVES AND SHALL MAINTAIN A MINIMUM DISTANCE OF 50 FEET FROM ANY STREET. THE PLANNING BOARD MAY WAIVE ALL REQUIREMENTS REGARDING SIGNS EXCEPT THOSE FOR MAIN PYLONS AND CINEMA MARQUEES AND APPROVE A UNIFIED SIGN PLAN IF SUBMITTED AT THE TIME OF PRELIMINARY SITE PLAN REVIEW. A UNIFIED SIGN PLAN MUST INCLUDE THE GENERAL TYPE, MATERIAL, METHOD OF ILLUMINATION (IF ANY), APPROXIMATE LOCATION AND COLOR SCHEME FOR ALL SIGNS RELATED TO THE RETAIL DEVELOPMENT. (§550-95.D(2)(E))

[2] APPROVED BY MOUNT OLIVE PLANNING BOARD RESOLUTION NO. 99-09 FOR AMENDED UNIFIED SIGN PLAN. MEMORIALIZED SEPTEMBER 7, 2000.

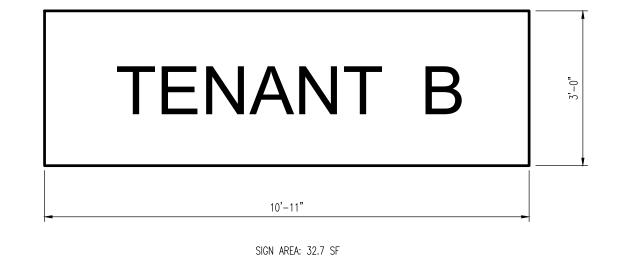
#### SIGNAGE CHART - PAD SITE

| SIGN                         |                                 | REQUIREMENTS           |                                | PR               | OPOSED (CHIPOTLE PAD SITE ONLY) |         |
|------------------------------|---------------------------------|------------------------|--------------------------------|------------------|---------------------------------|---------|
| FREESTANDING PYLON           | NUMBER OF SIGNS:                |                        | ONE (1)                        | NUMBER OF SIGNS  | :                               | C       |
| (INDIVIDUAL ESTABLISHMENT)   | MAXIMUM SIGN AREA:              |                        | 90 SF                          | SIGN AREA:       |                                 | N/A     |
|                              | MAXIMUM SIGN HEIGHT:            |                        | 15 FT                          | SIGN HEIGHT:     |                                 | N/A     |
|                              | MINIMUM SIGN SETBACK:           |                        | 10 FT <b>[1]</b>               | SIGN SETBACK:    |                                 | N/A     |
| BUILDING MOUNTED             | NUMBER OF FACADE SIGNS:         |                        | N/S                            | NUMBER OF SIGNS  | :                               | 2       |
|                              | MAXIMUM FACADE SIGN AREA:       |                        | 5% OF FAÇADE AREA              | SIGN AREA:       |                                 |         |
|                              |                                 | NORTH FACADE:          |                                | NORTH FACADE:    |                                 |         |
|                              |                                 |                        | (1,090 SF)(0.05) = 62.6 SF     |                  | "CHIPOTLE MEXICAN GRILL" SIGN:  | 9.0 SF  |
|                              |                                 | <b>SOUTH FACADE:</b>   |                                | SOUTH FACADE:    |                                 |         |
|                              |                                 |                        | (1,238  SF)(0.05) = 61.9  SF   |                  | "TENANT B" SIGN:                | 61.9 SF |
|                              |                                 | WEST FACADE:           |                                | WEST FACADE:     |                                 |         |
|                              |                                 |                        | (1,411.8  SF)(0.05) = 70.5  SF |                  | "CHIPOTLE" SIGN:                | 37.8 SF |
|                              |                                 |                        |                                |                  | TENANT B SIGN:                  | 32.7 SF |
|                              |                                 |                        |                                |                  | TOTAL:                          | 70.5 SF |
| DIRECTIONAL                  | NUMBER OF SIGNS:                |                        | N/S                            | NUMBER OF DIREC  | TIONAL SIGNS:                   | 1       |
| (DRIVE THRU)                 | MAXIMUM SIGN AREA:              |                        | N/S                            | DIRECTIONAL SIGN | AREA:                           | 2.67 SF |
|                              | MAXIMUM SIGN HEIGHT:            |                        | N/S                            | SIGN HEIGHT:     |                                 | 4.0 FT  |
| N/S: NO STANDARD N/A: NOT    | APPLICABLE (E): EXISTING NON-C  | CONFORMANCE (V):       | VARIANCE                       | ·                | ·                               |         |
|                              |                                 |                        |                                |                  |                                 |         |
| [1] NO SIGN SHALL BE LOCATED | WITHIN A SIGHT TRAINGLE. (550-9 | 5.B(2)(A)[1]) & (550-9 | 5.B(2)(D)[5])                  |                  |                                 |         |

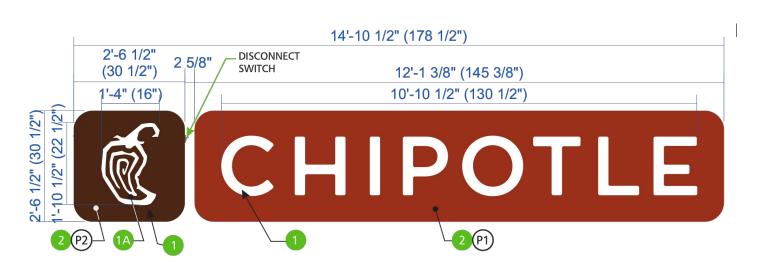


PROPOSED 'TENANT B' SIGN (SOUTH FACADE)

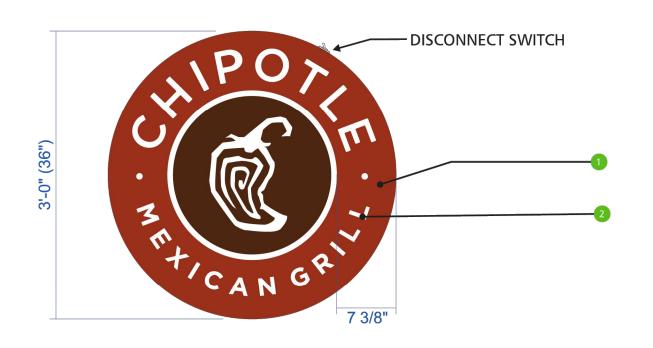
SIGN AREA: 61.9 SF



PROPOSED 'TENANT B' SIGN (WEST FACADE)

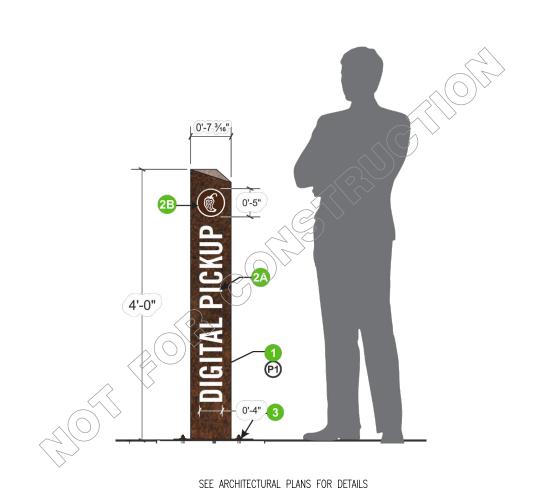


SIGN AREA: 32.7 SF (SEE ARCHITECTURAL PLANS FOR DETAILS) PROPOSED 'CHIPOTLE' SIGN NOT TO SCALE

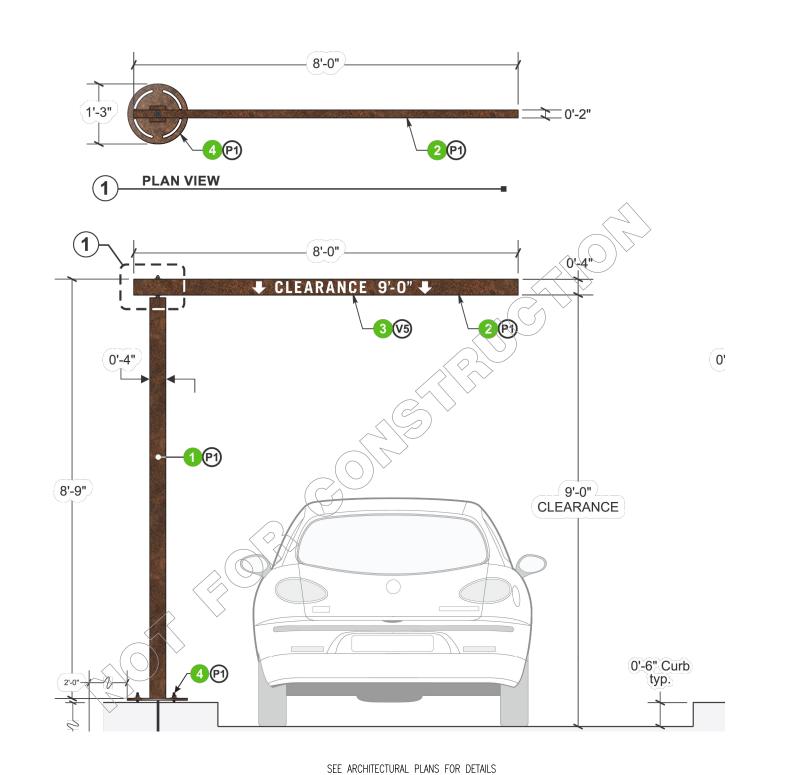


(SEE ARCHITECTURAL PLANS FOR DETAILS) PROPOSED 'CHIPOTLE MEXICAN GRILL' SIGN
NOT TO SCALE

SIGN AREA: 9 SF



PROPOSED 'DIGITAL PICKUP' DRIVE-THRU SIGN



MUNICIPAL, COUNTY, STATE AND MUA DETAILS TO SUPERSEDE DYNAMIC ENGINEERING DETAILS WHERE APPLICABLE

PROPOSED CLEARANCE BAR NOT TO SCALE

this plan set is for permitting purposes only and may not be used for constructi 1904 Main Street Lake Como, NJ 07719 T: 732.974.0198 F: 732.974.3521 DYNAMIC www.dynamicec.con LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING Offices conveniently located in:

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Allen, Texas T: 972.534.2100 | Austin, Texas T:512.646.2646 | Houston, Texas T: 281.789.6400 | Delray Beach, Florida T: 561.921.8570

Newtown, Pennsylvania T: 267.685.0276 | Philadelphia, Pennsylvania T: 215.253.4888 | Bethlehem, Pennsylvania T: 610.598.4400 CONSTRUCTION DETAILS PROJECT: PEARLAND RJR, LLC

PROPOSED RESTAURANT PAD SITE W/DRIVE-THRU 4135-99-001 SCALE: (H) NOT BLOCK 4100, LOT 9.01 10-50 INTERNATIONAL DRIVE SOUTH TOWNSHIP OF MOUNT OLIVE, MORRIS COUNTY, NEW JERSEY DESIGNED BY:
STM SHEET No: CHECKED BY: JOSHUA M. SEWALD JAMES E. HENRY PROTECT YOURSELF

ALL STATES REQUIRE NOTIFICATION OF EXCANATORS, DESIGNERS, OR ANY PERSON PREPARABLE OF DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PURPLE NUMBERS VISIT.

NEW JERSEY LICENSE No. 49266

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL.811.COM

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52908

4000K CCT

7616 159 B1-U0-G2 7616 159 B1-U0-G2 7616 159 B1-U0-G2

7595 158 B2-U0-G2 7595 158 B2-U0-G2 7595 158 B2-U0-G2

9856 | 159 | B2-U0-G3 | 9856 | 159 | B2-U0-G3 | 9856 | 159 | B2-U0-G3

159 B2-U0-G2 9853 159 B2-U0-G2 9853 159 B2-U0-G2

155 B3-U0-G2 13135 155 B3-U0-G2 13135 155 B3-U0-G2

155 B2-U0-G3 13138 155 B2-U0-G3 13138 155 B2-U0-G3

157 B2-U0-G2 13355 157 B2-U0-G2 13355 157 B2-U0-G2

144 B3-U0-G3 19408 144 B3-U0-G3 19408 144 B3-U0-G3

19641 145 B3-U0-G2 19641

147 B4-U0-G3

B5-U0-G3 25037 142 B5-U0-G3 25037 142 B5-U0-G3

149 R3-110-G4 26149 149 R3-110-G4 26149 149 R3-110-G4

148 B3-U0-G3 26077 148 B3-U0-G3 26077 148 B3-U0-G3

140 B4-U0-G3 32417 140 B4-U0-G3 32417 140 B4-U0-G3

140 B4-U0-G3 32566 140 B4-U0-G3 32566 140 B4-U0-G3

142 B3-U0-G3 32960 142 B3-U0-G3 32960 142 B3-U0-G3

133 B4-U0-G4 38275 133 B4-U0-G4 38275 133 B4-U0-G4

128 B5-U0-G4 36917 128 B5-U0-G4 36917 128 B5-U0-G4

133 B4-U0-G5 38283 133 B4-U0-G5 38283 133 B4-U0-G5

32656 141 B3-U0-G4 32656 141 B3-U0-G4 32656 141 B3-U0-G4

32424 140 B3-U0-G4 32424 140 B3-U0-G4 32424 140 B3-U0-G4

19461 144 B3-U0-G3 19461 144 B3-U0-G3 19461 144 B3-U0-G3

18633 138 B4-U0-G2 18633 138 B4-U0-G2 18633 138 B4-U0-G2

153 B3-U0-G2 9504

12669 149 B4-U0-G2 12669 149 B4-U0-G2

158 B2-U0-G2 7562 158 B2-U0-G2

3000K CCT

Mirada Medium Outdoor LED Area Light

5000K CCT

7562 158 B2-U0-G2

#### Mirada Medium (MRM)

Outdoor LED Area Light





| OVERVIEW             |                |  |  |  |
|----------------------|----------------|--|--|--|
| Lumen Package        | 7,000 - 48,000 |  |  |  |
| Wattage Range        | 48 - 401       |  |  |  |
| Efficacy Range (LPW) | 117 - 160      |  |  |  |
| Weight lbs(kg)       | 30 (13.6)      |  |  |  |

#### QUICK LINKS

| ficacy Range (LPW) | 117 - 160 | GOICK LINKS    |             |              |            |
|--------------------|-----------|----------------|-------------|--------------|------------|
| ,                  |           |                |             |              |            |
| eight lbs(kg)      | 30 (13.6) | Ordering Guide | Performance | Photometrics | Dimensions |
|                    |           |                |             |              |            |

#### **FEATURES & SPECIFICATIONS**

#### Construction Rugged die-cast aluminum housing contains factory prewired driver and optical

- unit. Cast aluminum wiring access door located underneath. Designed to mount to square or round
- Fixtures are finished with LSI's DuraGrip<sup>®</sup> polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes

#### Shipping weight: 37 lbs in carton. Optical System

available. Consult factory.

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide
- component. Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES

IP66 rated sealed optical chamber in 1

- Types 2, 3, 5W, FT, FTA and AM. • Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight. Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70. Integral louver (IL) and integral half louver (IH) options available for enhanced

backlight control.

#### Electrical

- High-performance programmable driver features over-voltage, under-voltage, shortcircuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% 100%) standard. Standard Universal Voltage (120-277 Vac)
- Input 50/60 Hz or optional High Voltage (347-480 Vac). • L80 Calculated Life: >100k Hours (See
- Lumen Maintenance chart) Total harmonic distortion: <20%</li> • Operating temperature: -40°C to +50°C
- Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products. (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C.
- Power factor: >.90 Input power stays constant over life.

Optional integral passive infrared

Bluetooth™ motion and photocell

sensor (see page 8 for more details).

be commissioned via iOS or Android

configuration app

Fixtures operate independently and can

- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- IDA compliant; with 3000K color High-efficacy LEDs mounted to metal-core temperature selection. • Title 24 Compliant; see local ordinance for circuit board to maximize heat dissipation qualification information. Components are fully encased in potting Suitable for wet Locations.
- material for moisture resistance. Driver • IP66 rated Luminaire per IEC 60598. complies with FCC standards. Driver and • 3G rated for ANSI C136.31 high vibration key electronic components can easily be applications are qualified. • DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC

Listed to UL 1598 and UL 8750.

 LSI's AirLink™ wireless control system options reduce energy and maintenance

costs while optimizing light quality 24/7.

(see controls section for more details).

• Designed to mount to square or round

A single fastener secures the hinged door,

• Included terminal block accepts up to 12 ga.

underneath the housing and provides

quick & easy access to the electrical

LSI LED Fixtures carry a 5-year warranty.

Meets Buy American Act requirements.

Qualified Products List at <u>www.designlights.</u> org/QPL to confirm which versions are aualified. Patented Silicone Optics (US Patent NO. 10,816,165 B2)

#### • IK08 rated luminiare per IEC 66262 mechanical impact code

**ORDERING GUIDE** 

#### Mirada Medium Outdoor LED Area Light

Back to Quick Links

| YPICAL ORDER EXAMPLE: |                 | MRM LED 36L  | SIL FTA UNV     | DIM 50 70CRI ALSCS04   | BRZ IL  |   |                                    |
|-----------------------|-----------------|--|-----------------|--|---|---|------------------------------------|
| Family                | Light<br>Source | Lumen<br>Package   | Light<br>Output | Distribution   | Orientation <sup>2</sup>  | Voltage   | Driver                             |
| MRM - Mirada          | LED             | 7L - 7,000 Ims<br>9L - 9,000 Ims<br>12L - 12,000 Ims<br>18L - 18,000 Ims<br>24L - 24,000 Ims<br>36L - 36,000 Ims<br>42L - 42,000 Ims<br>48L - 48,000 Ims<br>Custom Lumen Packages¹ | SIL - Silicone  | 2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw FTA - Forward Throw Automotive AM - Automotive Merchandise | (blank) - standard<br>L-Optics rotated left 90°<br>R-Optics rotated right 90° | UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V) | <b>DIM</b> - 0-10V Dimming (0-10%) |

| Color Temp   | Color Rendering       | Finish  | Options  |
|--|-----------------------|---|--|
| <b>50</b> - 5,000 CCT<br><b>40</b> - 4,000 CCT<br><b>30</b> - 3,000 CCT<br><b>AMB</b> - Phosphor Converted Amber <sup>12</sup> | <b>70CRI</b> - 70 CRI | BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White | (Blank) - None  IH - Integral Half Louver (Moderate Spill Light Cutoff <sup>2</sup> IL - Integral Louver (Sharp Spill Light Cutoff) <sup>2</sup> |

|  | Controls (Choose One)  |   |  |
|--|--|---|--|
| (Blank) - None  Wireless Controls System  ALSC - AirLink Synapse Control System Host / Saleilite <sup>3</sup> ALSCN2 - AirLink Synapse Control System Host / Saleilite <sup>3</sup> ALSCN2 - AirLink Synapse Control System with 12-20 Motion Sensor  ALSCNSO - AirLink Synapse Control System with 22-20 Motion Sensor  ALSCNSO - AirLink Synapse Control System with 20-40' Motion Sensor  ALSCNSO - AirLink Synapse Control System with 20-40' Motion Sensor  ALSCNSO - AirLink Synapse Control System Host / Saleilite with 20-40' Motion Sensor <sup>3</sup> ALBCN3 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height)  ALBCN3 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height) | Sland-Alone Controls EXT - 0-10v Dimming leads extended to housing exterior CX7P - 7 Pin Control Receptacle ANSI C136.41 <sup>§</sup> IMSBT1- Integral Bluetooth <sup>100</sup> Motion and Photocell Sensor (8-24' MH) <sup>15</sup> IMSBT2- Integral Bluetooth <sup>100</sup> Motion and Photocell Sensor (25-40' MH) <sup>15</sup> IMSBT2- Integral Bluetooth <sup>100</sup> Motion and Photocell Sensor (25-40' MH) <sup>15</sup> | Button Type Photocells<br>PC120 - 120V<br>PC208-277 - 208 - 277V<br>PC1347 - 347V |  |

| ALDESE AIRLINGUIC WICKSSTION             | Tarrioto scrisor controller (25 40 modificing) | nagn <i>y</i>     |                             |  |                            |
|--|--|-------------------|-----------------------------|--|----------------------------|
| Accessory Orde                           | ering Information <sup>7</sup>                 |                   |                             |  |                            |
| CONTROLS ACCESSORIES                     |  |                   |                             | MOUNTING ACCESSORIES <sup>9</sup>                                |                            |
| Description                              |  |                   | Order Numberr <sup>10</sup> | Description  | Order Number <sup>10</sup> |
| PC120 Photocell for use with CR7P option | n (120V) <sup>8</sup>                          |                   | 122514                      | Universal Mounting Bracket                                       | 684616CLR                  |
| PC208-277 Photocell for use with CR7P    | option (208V, 240V, 277V) <sup>8</sup>         |                   | 122515                      | Adjustable Slip Fitter (2" - 2 3/8" Tenon)                       | 688138CLR                  |
| Twist Lock Photocell (347V) for use with | CR7P*  |                   | 122516                      | Horizontal Slip Fitter (2" - 2 3/8" Tenon)                       | 652761CLR                  |
| Twist Lock Photocell (480V) for use with | 1 CR7P *                                       |                   | 1225180                     | Quick Mount Pole Bracket (Square Pole)                           | 687073CLR                  |
| AirLink 5 Pin Twist Lock Controller 8    |  |                   | 661409                      | Quick Mount Pole Bracket (4-5" Round Pole)                       | 689903CLR                  |
| AirLink 7 Pin Twist Lock Controller 8    |  |                   | 661410                      | 15 Tilt Quick Mount Pole Bracket (Square Pole)                   | 688003CLR                  |
| PMOS24-24V Pole-Mounted Occupancy        | Sensor (24V)                                   |                   | 663284CLR                   | 15 Tilt Quick Mount Pole Bracket (4-5" Round Pole)               | 689905CLR                  |
| Shorting Cap for use with CR7P           |  |                   | 149328                      | Wall Mount Bracket   | 382132CLR                  |
|  |  | _                 |                             | Wood Pole Bracket (6" Minimum Pole Diameter)                     | 751219CLR                  |
| FUSING OPTIONS <sup>11</sup>             |  | SHIELDING OPTIONS |                             |  |                            |
| Description                              | Order Number                                   | Mirada Small      |                             | MISCELLANEOUS ACCESSORIES  |                            |
| Single Fusing (120V)                     |  | Mirada Medium     |                             | Description  | Order Number               |
| Single Fusing (277V)                     | See Fusing                                     | Mirada Large      | See Shielding               | Field Install Integral Louver (Sharp Spill Light Cutoff)         | 690981                     |
| Double Fusing (208V, 240V)               | Accessory                                      | Zone Medium       | Guide                       | Field Install Integral Half Louver (Moderate Spill Light Cutoff) | 743415                     |
| Double Fusing (480V)                     | <u>Guide</u>                                   | Zone Large        |                             | 10' Linear Bird Spike Kit (3' Recommended per Luminaire)         | 751632                     |
|  | 1  |                   | 1                           |  |                            |

| F | FOOTNOTES: |  |
|---|------------|--|
| 1 |            | Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed. |
| 2 |            | Not available with 5W distribution   |
| 3 |            | Consult Factory for availability.  |
| 4 |            | Not available in HV.   |

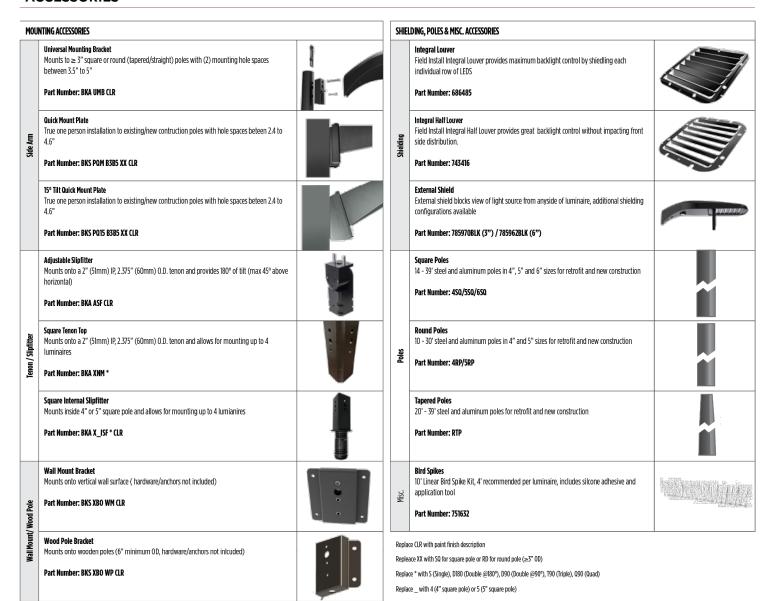
- Only available with ALSC/ALSCH control options. Fusing must be located in hand hole of pole. See <u>Fusing Accessory Guide</u> for compatability. 5. IMSRT is field configurable via the LSI app that can be downloaded from your smartphone's native app store 12. Only available in 9L, 12L, 18L and 24L Lumen Packages. Consult factory for lead time and availability. 6. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.

. Accessories are shipped separately and field installed.

8. Factory installed CR7P option required. See Options.

"CLR" denotes finish. See Finish options.

#### Mirada Medium Outdoor LED Area Light **ACCESSORIES**



#### **OPTICS ROTATION ACCESSORIES/OPTIONS** Integral Louver (IL) and House-Side Shield (IH)





134 B4-U0-G4 38450 134 B4-U0-G4 38450 38916 135 B3-U0-G3 38916 135 B3-U0-G3 38916 135 B3-U0-G3

PERFORMANCE

FTA

5W

**DELIVERED LUMENS\*** 

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: Rev. #





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#### LIGHTING SPECIFICATIONS

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