

PARKING LOT EXPANSION AT EISENHOWER ELEMENTARY SCHOOL

601 ERNSTON ROAD,
PARLIN, NJ 08859

FOR THE

SAYREVILLE PUBLIC SCHOOLS

298 ERNSTON ROAD, PARLIN, NJ 08859



SUPERINTENDENT:
BUSINESS ADMINISTRATOR:
DOE PROJECT NUMBER:

DR. RICHARD LABBE
MS. ERIN HILL
T.B.D.

B&G ENGINEERING, LLC
SITE/CIVIL ENGINEERS



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CODE SUBMISSION:
BID DATE:

LIST OF DRAWINGS	
DWG. NO.	TITLE
GENERAL	
CS.1	COVER
SITEWORK	
SW-1	EXISTING CONDITIONS PLAN
SW-2	DEMOLITION PLAN
SW-3	DIMENSION & CIRCULATION PLAN
SW-4	GRADING AND STORMWATER MANAGEMENT PLAN
SW-5	SOIL EROSION AND SEDIMENT CONTROL PLAN
SW-6	SOIL EROSION AND SEDIMENT CONTROL DETAILS
SW-7	CONSTRUCTION DETAILS
SW-8	CONSTRUCTION DETAILS
SW-9	PARKING LOT LIGHTING PLAN
ELECTRICAL	
SED.0	ELECTRICAL COVER SHEET
SET.0	ELECTRICAL SITE PLAN

PARKING LOT EXPANSION AT
EISENHOWER ELEMENTARY
SCHOOL

25K011

DRAWING NUMBER:

CS.1

SURVEY GENERAL NOTES:

1. A WRITTEN WAIVER AND DIRECTION NOT TO SET CORNER MARKERS HAS BEEN OBTAINED FROM THE ULTIMATE USER PURSANT TO "P.L. 2003, C.14 (N.J.S.A. 45:8-36.3) AND N.J.A.C. 13:40-5.2(D)."
2. THE UTILITIES SHOWN HAVE BEEN LOCATED FROM EVIDENCE OBSERVED ON THE SURFACE ONLY. THE SURVEYOR MAKES NO GUARANTEES THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
3. LOCATION OF SUB-SURFACE IMPROVEMENTS ARE NOT PART OF THIS SURVEY; EXAMPLE: OIL TANKS, SANITARY-SEPTIC AND CESS POOL SYSTEMS, WELLS, GAS LINES, SEWER LATERALS, WATER MAINS, ETC.
4. RIPARIAN CLAIMS, RIPARIAN RIGHTS AND CONVEYANCE MAP WERE NOT REVIEWED OR CONSIDERED PART OF THIS SURVEY.
5. EXCEPT AS SPECIFICALLY STATED OR SHOWN ON THIS PLAT, THIS SURVEY DOES NOT PURPORT TO REFLECT ANY OF THE FOLLOWING WHICH MAY BE APPLICABLE TO THE SUBJECT REAL ESTATE: EASEMENTS, OTHER THAN POSSIBLE EASEMENTS THAT WERE VISIBLE OR ON RECORD AT THE TIME OF THE MAKING OF THIS SURVEY; BUILDING SETBACK LINES; RESTRICTIVE COVENANTS; SUBDIVISION RESTRICTIONS; ZONING OR OTHER LAND USE REGULATIONS AND ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
6. DECLARATION IS MADE TO ORIGINAL PURCHASER OF THE SURVEY. IT IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.
7. SURVEY IS VALID ONLY IF PRINT HAS ORIGINAL SEAL AND SIGNATURE OF SURVEYOR.
8. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY.
9. SUBJECT TO ANY AND ALL EASEMENTS OR RESTRICTIONS EITHER RECORDED OR UNRECORDED.
10. THIS SURVEY DOES NOT PURPORT TO REPRESENT OR DETERMINE FLOOD HAZARD AREAS, RIPARIAN ZONES, WETLANDS LOCATION OR BUFFER ZONES, ETC. AS ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY AND/OR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ARE NOT CONSIDERED PART OF CONTRACTUAL OBLIGATIONS UNDER THIS SURVEY. ULTIMATE USER SHALL SECURE THE SERVICES OF A CERTIFIED ECOLOGIST OR ENGINEER.
11. FLOOD PLAIN MAPS WERE NOT REVIEWED OR CONSIDERED PART OF THIS SURVEY.
12. THE RETRACEMENT OF THE BOUNDARY DEPICTED HEREIN BY THE SURVEYOR IS BASED UPON THE EVIDENCE FOUND AND RECORDED AND THE OPINION OF THE SURVEYOR AS TO THE VALIDITY OF SUCH EVIDENCE. ANY REPRESENTATION HEREIN IS NOT TO PUBLISH DISPARAGEMENT OF TITLE OF THE SUBJECT PROPERTY OR ADJOINING LAND OWNERS. THE ULTIMATE USERS OF THIS SURVEY SHALL HAVE ACKNOWLEDGED THAT THIS SURVEY COULD BE MADE PUBLIC AND THAT THE SURVEYOR AND COMPANY HAVE NO FIDUCIARY DUTY OR CONFIDENTIALITY OBLIGATION TO THE CLIENT OR USERS.
13. THIS SURVEY REPRESENTS A POSITIONAL LOCATION OF RECORDED DEED LINES AND NOT TO REPRESENT OR DETERMINE OWNERSHIP TO ULTIMATE USERS OF THIS SURVEY.
14. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A FULL TITLE ABSTRACT SEARCH. THE SURVEYOR HIGHLY RECOMMENDS TO ALL USERS OF THIS SURVEY THAT A TITLE SEARCH BE PERFORMED REGARDING TAX LOTS 2 & 3, BLOCK 17.04 BEFORE ANY PROPOSED IMPROVEMENTS OR CONSTRUCTION.
15. VERTICAL DATUM IS NAVD88 UTILIZING DUAL FREQ. DIFF. GPS.
16. CONTOUR INTERVAL IS 1.0 FOOT.

LEGEND	
"8" INLET	
UTILITY BOXES	
HYDRANT	
SIGN	
BOOK SHARE	
LIGHT	
UTILITY POLE	
GUY ANCHOR	
GAS VALVE	
WATER VALVE	
BENCHMARK	
TEST PIT	
DETECTABLE WARNING PAD	
DOT BOX	
GAS LINE (U/G)	
ELECTRIC (U/G)	
WIRES (UNDERGROUND)	
WIRES (OVERHEAD)	
CHAIN LINK FENCE	
CONC. WALL	
CONIFEROUS TREE	
DECIDUOUS TREE	

EISENHOWER
ELEMENTARY
SCHOOL

1 STORY
MAS. ELEMENTARY SCHOOL
601

1 STORY
MAS. ELEMENTARY SCHOOL
601

ERNSTON ROAD

CODE REVIEW:

CERTIFICATE:

spiezie

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CONSULTANTS:

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BESRICK G. PLUMMER
PROFESSIONAL ENGINEER
NEW JERSEY LIC. NO. 39534

PROJECT:
PARKING LOT EXPANSION
AT EISENHOWER
ELEMENTARY SCHOOL
601 ERNSTON ROAD, PARLIN, NJ 08859
LOT 2102, BLOCK 447.06
BOROUGH OF SAYREVILLE,
MIDDLESEX COUNTY, NJ
FOR



SAYREVILLE PUBLIC
SCHOOLS
298 ERNSTON ROAD, PARLIN, NJ 08859

FOR CODE REVIEW:

REVISIONS:

REVISION NAME	DATE
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FOR BID:

DRAWING TITLE:

EXISTING
CONDITIONS
PLAN

COMMISSION NUMBER:

25K011

B&G PROJECT NO.: 2401A

DRAWING
NUMBER:

SW-1

20' 10' 0 20' 40' 60'
SCALE: 1"=20'

DEMOLITION NOTES

PARKING LOT CONSTRUCTION:

- ALL ITEMS TO BE DEMOLISHED TO FACILITATE THE PROPOSED WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- AT THE END OF EACH WORK DAY, CONTRACTOR SHALL INSTALL STONE IN THE ROADWAY BED, IF SAID ROADWAY'S PAVEMENT HAS BEEN REMOVED TO A DEPTH WHERE THE EARTH SUBBASE IS EXPOSED.
- THE CONTRACTOR IS TO COORDINATE ADJUSTMENT OF STREET HARDWARE WITH ALL UTILITY COMPANIES PRIOR TO INSTALLATION OF SURFACE COURSE.
- PARKING LOT ELEVATIONS AND CROSS SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS (SEE GRADING PLAN) AND/OR AS DIRECTED BY ENGINEER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER TO OBTAIN A CONSTRUCTION STAGING SITE FOR STORAGE OF EQUIPMENT AND MATERIALS. ALL EQUIPMENT & MATERIALS MUST BE REMOVED FROM ANY PUBLIC ROADWAY AT THE END OF EACH WORK DAY.

CURB/SIDEWALK CONSTRUCTION:

- THE CONTRACTOR IS TO RESET ALL DISTURBED UTILITY VALVES & CLEANOUTS, WITHIN THE PROJECT LIMITS.
- EXISTING SIDEWALKS, CURBS AND PAVEMENT SURFACES THAT ARE DISTURBED INCIDENTALLY DURING THIS WORK SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COSTS TO THE OWNER.

RESTORATION:

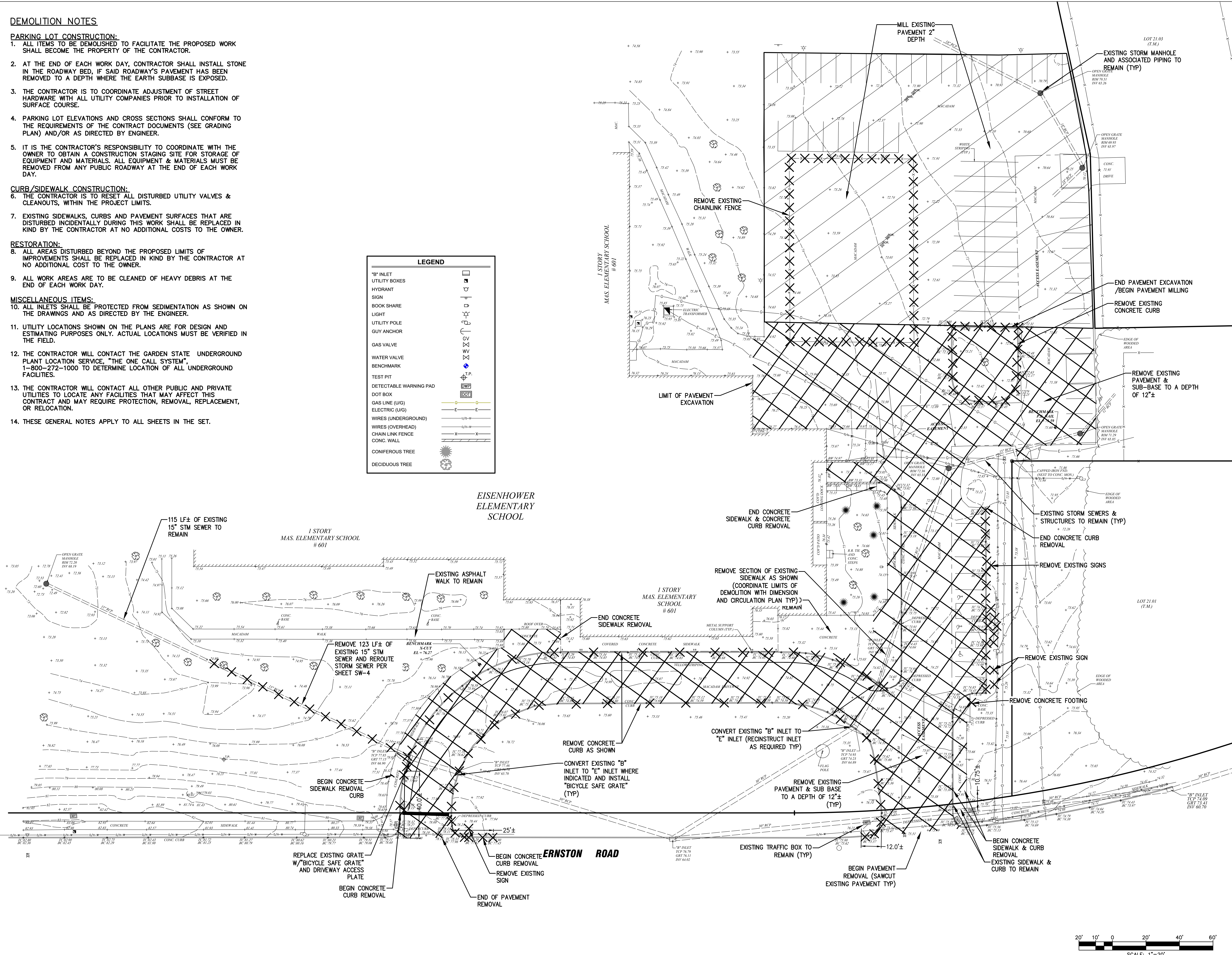
- ALL AREAS DISTURBED BEYOND THE PROPOSED LIMITS OF IMPROVEMENTS SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

- ALL WORK AREAS ARE TO BE CLEANED OF HEAVY DEBRIS AT THE END OF EACH WORK DAY.

MISCELLANEOUS ITEMS:

- ALL INLETS SHALL BE PROTECTED FROM SEDIMENTATION AS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.
- UTILITY LOCATIONS SHOWN ON THE PLANS ARE FOR DESIGN AND ESTIMATING PURPOSES ONLY. ACTUAL LOCATIONS MUST BE VERIFIED IN THE FIELD.
- THE CONTRACTOR WILL CONTACT THE GARDEN STATE UNDERGROUND PLANT LOCATION SERVICE, "THE ONE CALL SYSTEM", 1-800-272-1000 TO DETERMINE LOCATION OF ALL UNDERGROUND FACILITIES.
- THE CONTRACTOR WILL CONTACT ALL OTHER PUBLIC AND PRIVATE UTILITIES TO LOCATE ANY FACILITIES THAT MAY AFFECT THIS CONTRACT AND MAY REQUIRE PROTECTION, REMOVAL, REPLACEMENT, OR RELOCATION.
- THESE GENERAL NOTES APPLY TO ALL SHEETS IN THE SET.

LEGEND	
"B" INLET	
UTILITY BOXES	
HYDRANT	
SIGN	
BOOK SHARE	
LIGHT	
UTILITY POLE	
GUY ANCHOR	
GAS VALVE	
WATER VALVE	
BENCHMARK	
TEST PIT	
DETECTABLE WARNING PAD	
DOT BOX	
GAS LINE (U/G)	
ELECTRIC (U/G)	
WIRES (UNDERGROUND)	
WIRES (OVERHEAD)	
CHAIN LINK FENCE	
CONC. WALL	
CONIFEROUS TREE	
DECIDUOUS TREE	



CODE REVIEW:

CERTIFICATE:

spiezle

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BESRICK G. PLUMMER
PROFESSIONAL ENGINEER
NEW JERSEY LIC. NO. 39534

PROJECT:
PARKING LOT EXPANSION
AT EISENHOWER
ELEMENTARY SCHOOL
601 ERNSTON ROAD, PARLIN, NJ 08859
LOT 2102, BLOCK 447.06
BOROUGH OF SAYREVILLE,
MIDDLESEX COUNTY, NJ
FOR



SAYREVILLE PUBLIC
SCHOOLS
298 ERNSTON ROAD, PARLIN, NJ 08859

FOR CODE REVIEW:

REVISIONS:

REVISION NAME	DATE
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FOR BID:

DRAWING TITLE:

DEMOLITION
PLAN

COMMISSION NUMBER:

25K011

B&G PROJECT NO.: 2401A

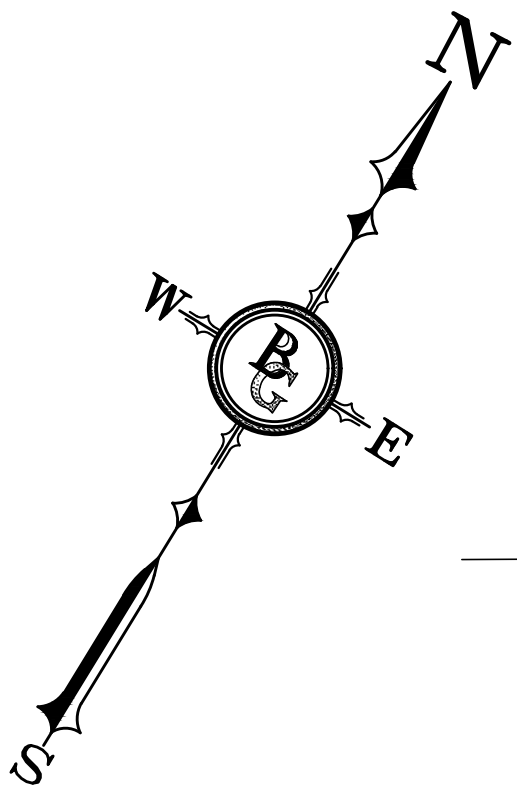
DRAWING
NUMBER:

SW-2



GENERAL NOTES

- OWNER:
SAYREVILLE BOARD OF EDUCATION
298 ERNSTON ROAD
PARLIN, NJ, 08859
- THE PROPERTY IS KNOWN AS BLOCK 447.06, LOT 21.02, AS SHOWN ON SHEET 125 OF THE OFFICIAL TAX MAP OF THE BOROUGH OF SAYREVILLE, MIDDLESEX COUNTY, NEW JERSEY. LAST REVISED FEBRUARY 1991.
- THE PROPOSED IMPROVEMENTS INCLUDE FULL DEPTH RECONSTRUCTION A SECTION OF RANDOLPHVILLE SCHOOL ACCESS ROAD.
- THE TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON A PLAN ENTITLED "PARTIAL TOPOGRAPHIC SURVEY, P/O BLOCK 447.06, LOT 21.02, EISENHOWER ELEMENTARY SCHOOL, PARLIN, MIDDLESEX COUNTY, NEW JERSEY," PREPARED BY ROBERT L. DIGOL FOR DMC ASSOCIATES INC. ROBERT L. DIGOL NJ LICENSE NO. 240504026100
VERTICAL DATUM IS BASED ON NAVD 1988. HORIZONTAL DATUM IS BASED ON NAD 1983
- UTILITY RELOCATIONS SHOWN HEREON, IF ANY, ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REPRESENT ALL REQUIRED UTILITY RELOCATIONS. THE CONTRACTORS RESPONSIBLE FOR PERFORMING AND/OR COORDINATING ALL REQUIRED UTILITY RELOCATIONS IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANIES/AUTHORITIES.
- DO NOT SCALE DRAWINGS AS THEY PERTAIN TO ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC. THEY ARE SCHEMATIC ONLY, EXCEPT WHERE DIMENSIONS ARE SHOWN THERETO.
- THIS IS A SITE DEVELOPMENT PLAN AND UNLESS SPECIFICALLY NOTED ELSEWHERE HEREON IS NOT A SURVEY.
- EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS.
- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION FOR SITE IMPROVEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH:
A. N.J. DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", 2019, AS SUPPLEMENTED.
B. CURRENTLY PREVAILING MUNICIPAL, COUNTY AND/OR STATE AGENCY SPECIFICATIONS, STANDARDS, CONDITIONS AND REQUIREMENTS.
C. CURRENTLY PREVAILING UTILITY COMPANY/AUTHORITY SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.
D. CURRENT MANUFACTURER'S SPECIFICATIONS, STANDARDS AND REQUIREMENTS.
- PRIOR TO ANY EXCAVATION, CONTRACTORS SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES BY CALLING NEW JERSEY ONE CALL (1-800-272-1000). NO EXCAVATION WORK SHALL BEGIN UNTIL THE UTILITIES ARE MARKED.
- THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER THE DESIGNS SHOWN HEREON INAPPROPRIATE OR INEFFECTIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROJECT SAFETY INCLUDING PROVISION OF ALL APPROPRIATE SAFETY DEVICES AND TRAINING REQUIRED.
- ALL CONSTRUCTION STAGING SHALL BE DONE ON SITE UNLESS AN ENCROACHMENT FOR SAME SHALL BE APPROVED BY CITY BOARD.
- ALL BUILDING FOOTPRINT DIMENSIONS SHOWN HEREON ARE APPROXIMATE.
- LIST OF PERMITS OR APPROVALS TO BE OBTAINED:
(A) BOROUGH OF SAYREVILLE BUILDING PERMIT DEPARTMENT
(B) FRESHFOLD SOIL CONSERVATION DISTRICT FOR EROSION AND SEDIMENT CONTROL PERMIT
(C) BOROUGH OF SAYREVILLE ROAD OPENING PERMIT.
- THESE GENERAL NOTES APPLY TO ALL SHEETS IN THE SET.



1 STORY
MAS. ELEMENTARY SCHOOL
601

EISENHOWER
ELEMENTARY
SCHOOL

1 STORY
MAS. ELEMENTARY SCHOOL
601

1 STORY
MAS. ELEMENTARY
SCHOOL
601

ERNSTON ROAD

20' 10' 0 20' 40' 60'
SCALE: 1"=20'

CODE REVIEW:

CERTIFICATE:

spiezie

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1395 YARDVILLE HAMILTON SQUARE ROAD
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SCOTT E. DOWNS 2140710466
STEVEN G. DEBEL 2140710466
ANDREW M. DEBEL 2140710466
JOHN J. WRIGHT 2140710466
SPIEZE ARCHITECTURAL GROUP INC. 2140710466

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MIDDLESEX COUNTY, NJ
FOR

SAYREVILLE PUBLIC
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298 ERNSTON ROAD, PARLIN, NJ 08859

FOR CODE REVIEW:

REVISIONS:
REVISION NAME DATE

FOR BID:

DRAWING TITLE:

DIMENSION &
CIRCULATION
PLAN

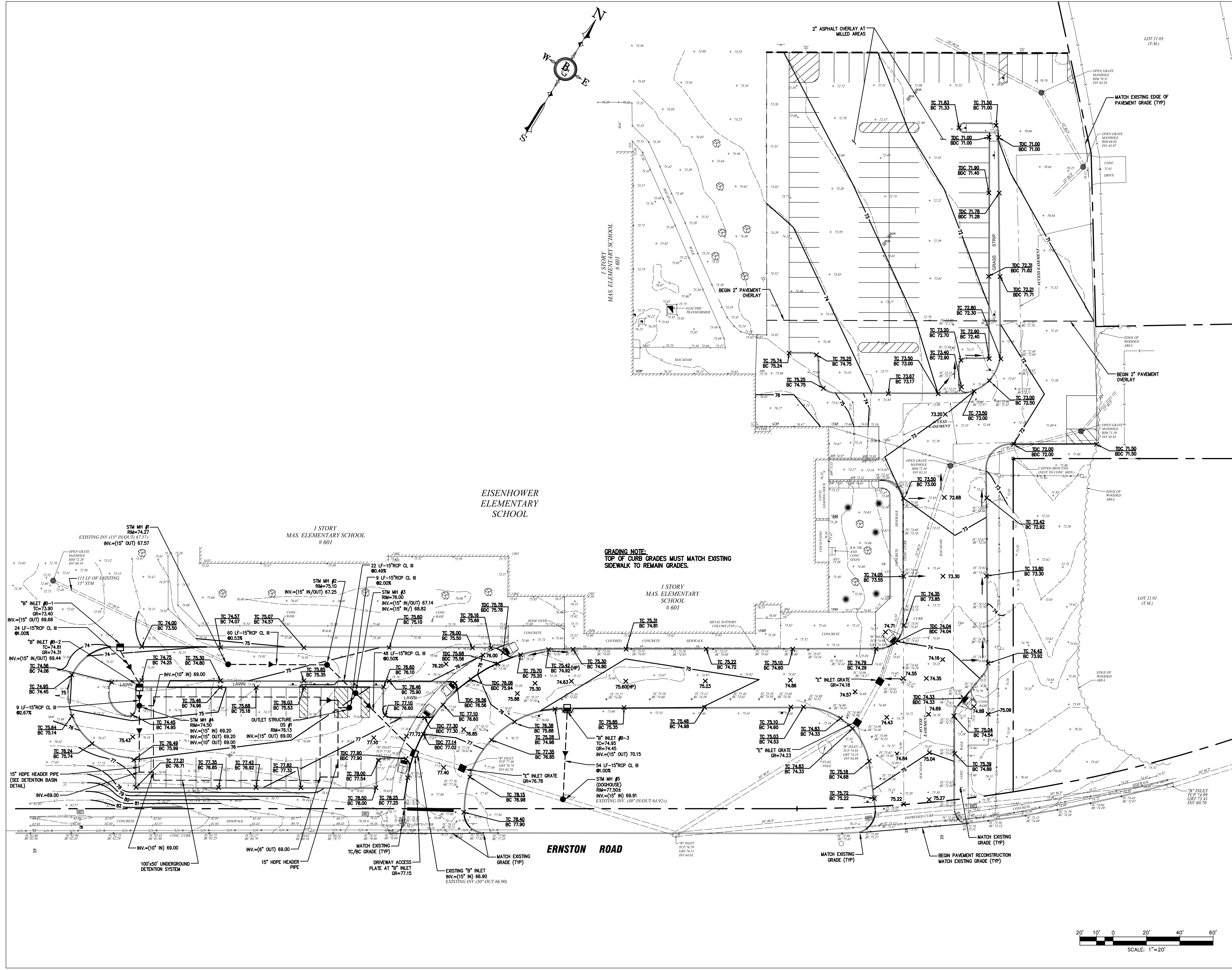
COMMISSION NUMBER:

25K011

B&G PROJECT NO.: 2401A

DRAWING
NUMBER:

SW-3



CODE REVIEW:

CERTIFICATE:

SPIEZLE ARCHITECTURAL GROUP INC.
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SUITE 2A
HAMILTON, NJ 08601
PHONE: 609-695-7400

SIGNATURE:
THOMAS S. PIERING
SCOTT E. DOWNS
STEVEN E. DOWNS
ANDREW M. DOWNS
JOHN W. DOWNS
SPIEZLE ARCHITECTURAL GROUP INC.

SEAL:

CONSULTANTS:

B&G
Engineering LLC
State of N.J. Certificate of Authorization: 240216000
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BESRICK G. PLUMMER
PROFESSIONAL ENGINEER
NEW JERSEY LIC. NO. 39534

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PARKING LOT EXPANSION
AT EISENHOWER
ELEMENTARY SCHOOL
601 ERNSTON ROAD, PARLIN, NJ 08859
LOT 2102, BLOCK 447.06
BOROUGH OF SAYREVILLE,
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FOR

SAYREVILLE PUBLIC
SCHOOLS
298 ERNSTON ROAD, PARLIN, NJ 08859

FOR CODE REVIEW:

REVISIONS:	REVISION NAME	DATE
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FOR BID:

DRAWING TITLE:

**GRADING AND
STORM WATER
MANAGEMENT
PLAN**

COMMISSION NUMBER:

25K011

B&G PROJECT NO.:

2401A

DRAWING
NUMBER:

SW-4

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE FREEHOLD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.
2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
3. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
4. N.J.S.A. 4:24-39 ET. SEQ. REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND A REPORT OF COMPLIANCE HAS BEEN ISSUED. UPON WRITTEN REQUEST FROM THE APPLICANT, THE DISTRICT MAY ISSUE A REPORT OF COMPLIANCE WITH CONDITIONS ON A LOT-BY-LOT OR SECTION-BY-SECTION BASIS, PROVIDED THAT THE PROJECT OR PORTION THEREOF IS IN SATISFACTORY COMPLIANCE WITH THE SEQUENCE OF DEVELOPMENT AND TEMPORARY MEASURES FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN IMPLEMENTED, INCLUDING PROVISIONS FOR STABILIZATION AND SITE WORK.
5. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SIXTY (60) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2 TO 2 1/2 TONS PER ACRE, ACCORDING TO THE STANDARD FOR STABILIZATION WITH MULCH ONLY.
6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. SOIL STOCKPILES, STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR SUITABLE EQUIVALENT, AND A MULCH ANCHOR, IN ACCORDANCE WITH STATE STANDARDS.
7. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF THE PRELIMINARY GRADING.
8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE. AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOTS REQUIRE A STABILIZED CONSTRUCTION ACCESS CONSISTING OF ONE INCH TO TWO INCH (1" - 2") STONE FOR A MINIMUM LENGTH OF TEN FEET (10') EQUAL TO THE LOT ENTRANCE WIDTH. ALL OTHER ACCESS POINTS SHALL BE BLOCKED OFF.
9. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS WILL BE REMOVED IMMEDIATELY.
10. PERMANENT VEGETATION IS TO BE SEEDDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING.
11. AT THE TIME THAT SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
12. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS/ACRE, (OR 450 LBS./1,000 SQ FT OF SURFACE AREA) AND COVERED WITH A MINIMUM OF 12" OF SETTLED SOIL WITH A PH OF 5 OR MORE, OR 24" WHERE TREES OR SHRUBS ARE TO BE PLANTED.
13. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
14. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN COMPLIANCE WITH THE STANDARD FOR DEWATERING.
15. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
16. STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SQUARE FEET IS DISTURBED.
17. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6.
18. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

MITIGATION NOTES FOR ACIDIC SOIL

1. LIMIT THE EXCAVATION AREA AND EXPOSURE TIME WHEN HIGH ACID PRODUCING SOILS ARE ENCOUNTERED.
2. TOPSOIL, STRIPPED FROM THE SITE SHALL BE STORED SEPARATELY FROM TEMPORARILY STOCKPILED HIGH ACID PRODUCING SOILS.
3. STOCKPILES OF HIGH ACID PRODUCING SOIL SHOULD BE LOCATED ON LEVEL LAND TO MINIMIZE ITS MOVEMENT, ESPECIALLY WHEN THIS MATERIAL HAS A HIGH CLAY CONTENT.
4. TEMPORARILY STOCKPILED HIGH ACID PRODUCING SOIL MATERIAL TO BE STORED MORE THAN 48 HOURS SHOULD BE COVERED WITH PROPERLY ANCHORED, HEAVY GRADE SHEETS OF POLYETHYLENE WHERE POSSIBLE. IF NOT POSSIBLE, STOCKPILES SHALL BE COVERED WITH A MINIMUM OF 3 TO 6 INCHES OF WOOD CHIPS TO MINIMIZE EROSION OF THE STOCKPILE. SILT FENCE SHALL BE INSTALLED AT THE TOE OF SLOPE TO CONTAIN MOVEMENT OF THE STOCKPILED MATERIAL. TOPSOIL SHALL NOT BE APPLIED TO THE STOCKPILES TO PREVENT TOPSOIL CONTAMINATION WITH HIGH ACID PRODUCING SOIL.
5. HIGH ACID PRODUCING SOILS WITH A PH OF 4 OR LESS, OR CONTAINING IRON SULFIDE, (INCLUDING BORROW FROM CUTS OR DREGGED SEDIMENT) SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT A RATE OF 10 TONS PER ACRE (OR 450 POUNDS PER 1,000 SQUARE FEET OF SURFACE AREA) AND COVERED WITH A MINIMUM OF 12 INCHES OF SETTLED SOIL WITH A PH OF 5 OR MORE EXCEPT AS FOLLOWS:
- A. AREAS WHERE TREES OR SHRUBS ARE TO BE PLANTED SHALL BE COVERED WITH A MINIMUM OF 24 INCHES OF SOIL WITH A PH OF 5 OR MORE.
- B. DISPOSAL AREAS SHALL NOT BE LOCATED WITHIN 24 INCHES OF ANY SURFACE OF A SLOPE OR BANK, SUCH AS BERMS, STREAM BANKS, DITCHES AND OTHERS TO PREVENT POTENTIAL LATERAL LEACHING DAMAGES.
6. EQUIPMENT USED FOR MOVEMENT OF HIGH ACID PRODUCING SOILS SHOULD BE CLEANED AT THE END OF EACH DAY TO PREVENT SPREADING OF HIGH ACID SOIL MATERIALS TO OTHER PARTS OF THE SITE, INTO STREAMS OR STORMWATER CONVEYANCES AND TO PROTECT MACHINERY FROM ACCELERATED RUSTING.
7. NON VEGETATIVE EROSION CONTROL PRACTICES (STONE TRACKING PADS, STRATEGICALLY PLACED LIMESTONE CHECK DAM, SILT FENCE, WOOD CHIPS) SHOULD BE INSTALLED TO LIMIT THE MOVEMENT OF HIGH ACID PRODUCING SOILS FROM, AROUND OR OFF THE SITE.
8. FOLLOWING BURIAL OR REMOVAL OF HIGH ACID PRODUCING SOIL, TOPSOILING AND SEEDING OF THE SITE. (SEE TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, AND TOPSOILING) MONITORING SHOULD CONTINUE FOR A MINIMUM OF 6 MONTHS TO ASSURE THERE IS ADEQUATE STABILIZATION AND THAT NO HIGH ACID SOIL PROBLEMS EMERGE. IF PROBLEMS STILL EXIST THE AFFECTED AREA MUST BE TREATED AS INDICATED ABOVE TO CORRECT THE PROBLEM.

SOIL REMOVAL NOTE

ALL SOIL WASHED, DROPPED, TRACKED OR SPILLED ONTO PAVED SURFACES SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR.

DUST CONTROL NOTE

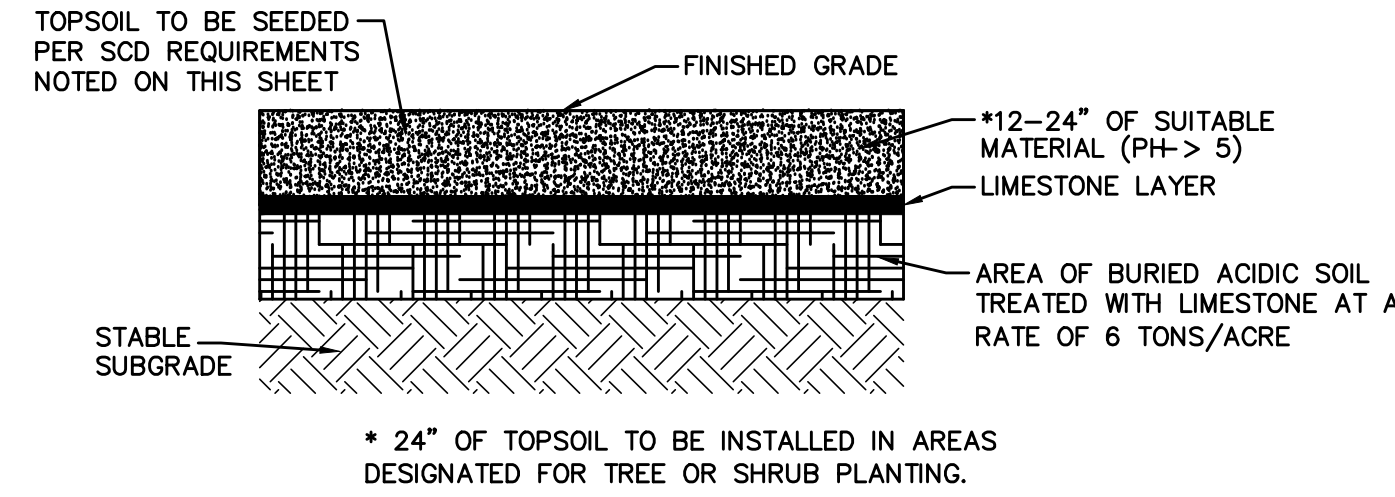
THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL AT DISTURBED AREAS BY SPRINKLING DISTURBED SOIL WITH WATER OR BY USING OTHER APPROVED METHODS OF DUST CONTROL.

STORM DRAIN INLET PROTECTION NOTE

ALL INLETS (EXISTING AND PROPOSED) WITHIN THE LIMITS OF DISTURBANCE MUST BE RETROFITTED WITH STORM DRAIN INLET PROTECTION (ACCEPTABLE BY THE SOIL CONSERVATION DISTRICT) PRIOR TO ANY LAND DISTURBANCE. OTHER INLETS LOCATED IN CLOSE PROXIMITY TO THE PROPOSED DISTURBED AREA MUST ALSO BE PROTECTED FROM SEDIMENTS AS SHOWN ON THIS PLAN.

SEQUENCE OF CONSTRUCTION

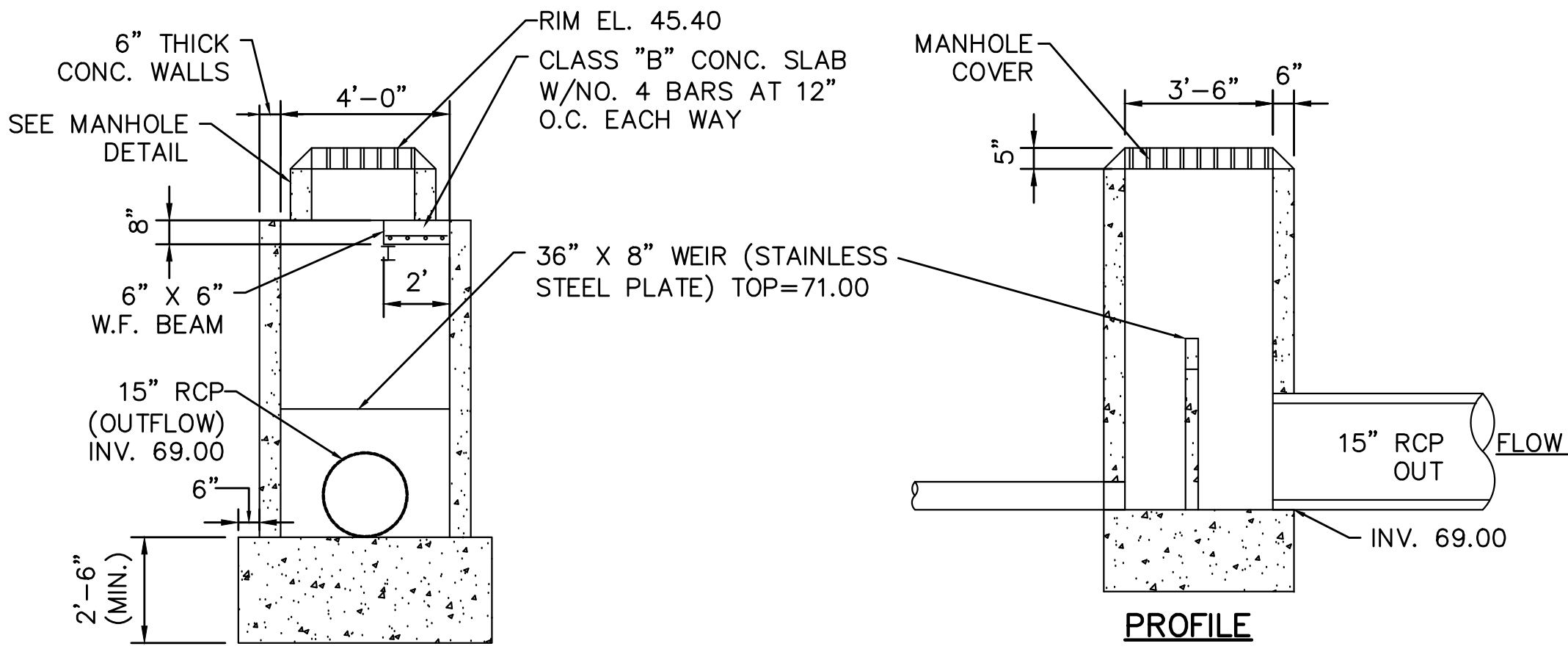
1. INSTALL ALL PRECONSTRUCTION SOIL EROSION & SEDIMENT CONTROL MEASURES INCLUDING CONSTRUCTION ENTRANCES, SILT FENCE AND INLET PROTECTIONS (2 DAYS)
2. CLEAR SITE AS SHOWN ON PLANS WITH APPROPRIATE EROSION CONTROL FACILITIES IN PLACE (4 WEEKS).
3. PROVIDE AND INSTALL TEMPORARY STABILIZATION MEASURES AS REQUIRED (DURATION)
4. INSTALL PROPOSED UNDERGROUND DETENTION AND STORM SEWER SYSTEM (2 WEEKS)
5. INSTALL ADDITION INLET PROTECTIONS AT NEW INLETS (1 DAY)
6. SITE GRADING FOR PARKING LOT (2 WEEKS)
7. INSTALL CONCRETE CURBS (2 WEEKS)
8. INSTALL CONCRETE SIDEWALK & RAMPS (3 DAYS)
9. INSTALL PAVEMENT BASE COURSES. (2 WEEKS)
10. INSTALL PAVEMENT SURFACE COURSE (1 WEEK)
11. REGRADING & STABILIZATION OF LAWN AREAS. (2 DAYS)
12. REMOVAL OF SOIL EROSION & SEDIMENT CONTROL FACILITIES WHEN PERMANENT EROSION CONTROL MEASURES ARE ACCEPTED BY THE CONSERVATION DISTRICT AND BOROUGH ENGINEER (2 DAYS)



1. ACID PRODUCING SOILS ARE DEFINED AS SOILS CONTAINING IRON SULFIDE MINERALS OR SOILS WITH A PH OF 4.0 OR LESS.
2. IRON SULFIDE MINERALS WILL PRODUCE SULFURIC ACID WHEN EXPOSED TO THE AIR AND SURFACE WATERS.
3. SOIL USED TO COVER ACID PRODUCING SOILS SHALL HAVE A PH OF 5.0 OR MORE.
4. SLOPED AREAS AND AREAS WITH TREE AND SHRUB PLANTINGS WILL BE COVERED WITH 2 FEET OF SUITABLE MATERIAL. THE TOP 5 INCHES SHALL BE TOPSOIL.
5. ACID SOIL BURIAL WILL AVOID AREAS OF RESIDENTIAL LOTS.

ACID SOIL MITIGATION DETAIL

N.T.S.



ELEVATION

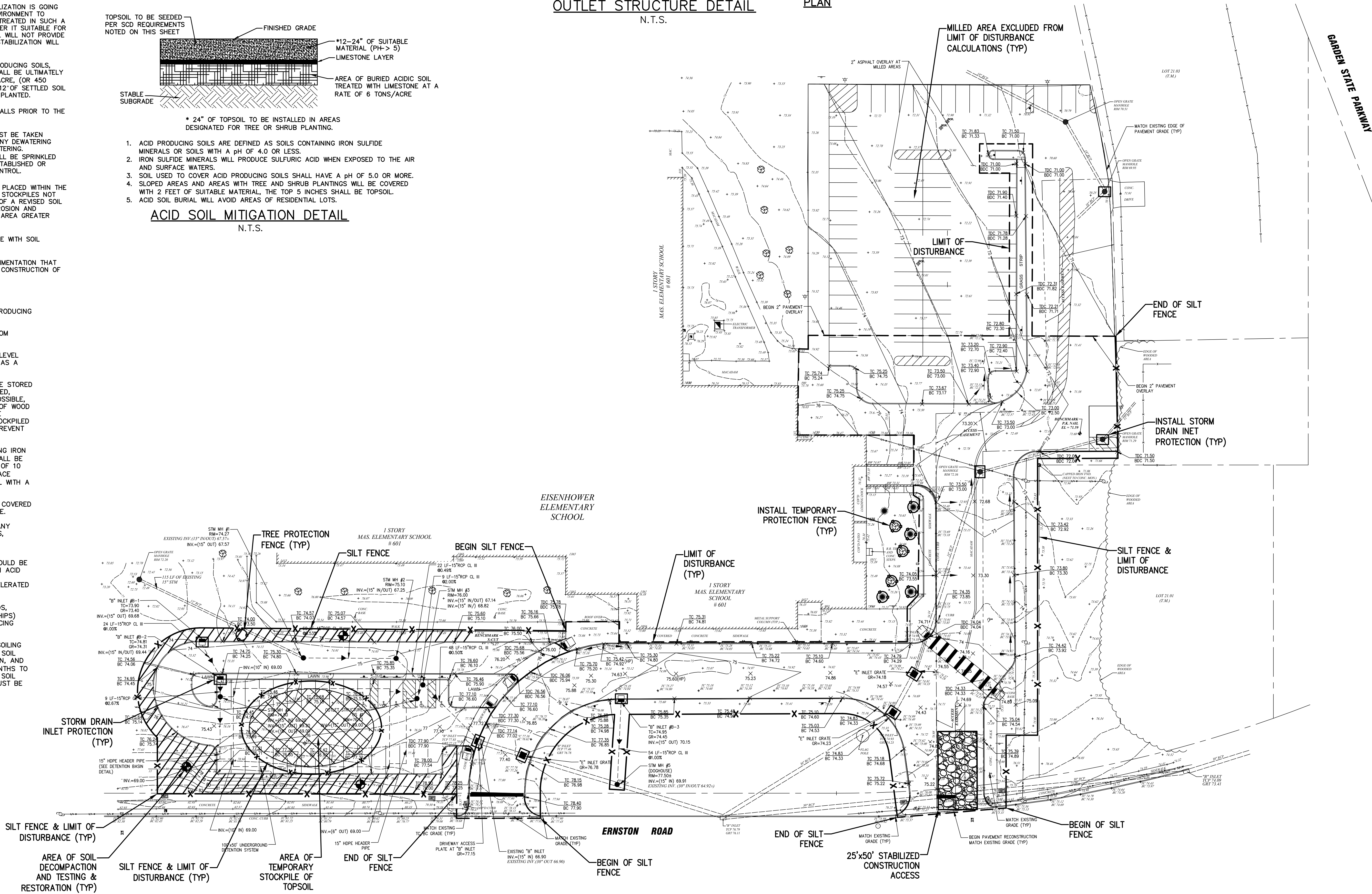
NOTES:

1. STRUCTURE TO BE CONCRETE CLASS "B", PRE-CAST.
2. FOOTING TO BE CONCRETE CLASS "C".
3. RIM TO BE CAMPBELL FOUNDRY #1202 OR APPROVED EQUAL.
4. PROVIDE 3/4" DIA. ALUMINUM LADDER RUNGS 18" O.C.

OUTLET STRUCTURE DETAIL

N.T.S.

PLAN



THIS SHEET TO BE USED FOR SOIL EROSION AND SEDIMENT CONTROL PURPOSES ONLY!!
TOTAL AREA OF DISTURBANCE = 74,707 S.F., 1.72 ACRE

CODE REVIEW:

CERTIFICATE:

spiezie

SPIEZE ARCHITECTURAL GROUP INC.
1395 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08611
PHONE: 609-695-7400

SIGNATURE:
THOMAS S. PERINO
JOSEPH J. PERINO
STEVEN A. PERINO
ANDREW J. PERINO
JOHN J. PERINO
SPIEZE ARCHITECTURAL GROUP INC.
SCALE:
SEAL:

CONSULTANTS:

B&G
Engineering LLC
State of N.J. Certificate of Authorization: 2402010000
30 BERNARD DRIVE
EDWING, N.J. 08828
Phone: (732) 588-8818
Fax: (609) 671-0715

BESRICK G. PLUMMER
PROFESSIONAL ENGINEER
NEW JERSEY LIC. NO. 39534

PROJECT:
PARKING LOT EXPANSION
AT EISENHOWER
ELEMENTARY SCHOOL
601 ERNSTON ROAD, PARLIN, NJ 08859
LOT 2102, BLOCK 447.06
BOROUGH OF SAYREVILLE,
MIDDLESEX COUNTY, NJ
FOR



FOR CODE REVIEW:

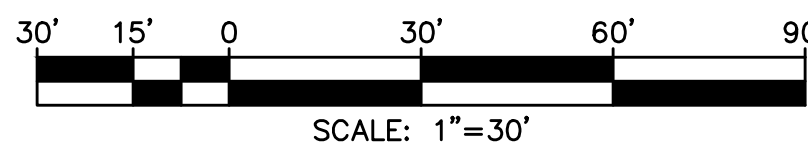
REVISIONS:
REVISION NAME
DATE

FOR BID:

DRAWING TITLE:
SOIL EROSION AND
SEDIMENT CONTROL
PLAN

COMMISSION NUMBER:
25K011

B&G PROJECT NO.: 2401A
DRAWING
NUMBER:
SW-5



TEMPORARY SEEDING SPECIFICATIONS

- SITE PREPARATION
 - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDING. PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING, PG. 19-1.
 - INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42.
 - IMMEDIATELY PRIOR TO SEEDING, THE SURFACE SHOULD BE SCAMPED 611 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.)
- SEEDING PREPARATION *
 - APPLY GRAIN LIME AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MALES 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.
 - SOIL TESTING SHOULD BE DONE TO DETERMINE AMOUNT OF LIME REQUIRED AND APPLICATION RATE.
 - WORK AND FERTILIZER USE FOR SOIL AS NEARLY AS POSSIBLE TO THE SURFACE. MULCH WITH A DISC, SPRINGTOOTH HARRROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARRROWING OR DISCING SHOULD BE DONE TO THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDING IS PREPARED.
 - INSPECT SEEDING JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED IN ACCORDANCE WITH THE ABOVE.
 - SOILS HIGH IN SULFUR OR HAVING A PH OF 4 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, PG. 1-1.
- SEEDING
 - SELECT SEED FROM RECOMMENDATIONS IN TABLE 7-2.

LOCATION	SEEDING METHOD	SEEDING RATE	SEEDING DATE	SEEDING METHOD	SEEDING RATE	SEEDING DATE
ROADSIDE	SPRING DISC	88 LBS./ACRE	2.0 LBS./1,000SF	3/01 TO 5/15 AND 8/15 TO 10/31	SPRING DISC	88 LBS./ACRE
ROADSIDE	SPRING DISC	100 LBS./ACRE	1.0 LBS./1,000SF	3/01 TO 5/15 AND 8/15 TO 10/31	SPRING DISC	100 LBS./ACRE
ROADSIDE	SPRING DISC	100 LBS./ACRE	1.0 LBS./1,000SF	3/01 TO 5/15 AND 8/15 TO 10/31	SPRING DISC	100 LBS./ACRE

- CONVENTIONAL SEEDING. APPLY SEED UNIFORMLY BY HAND, CYCLO (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, OR CALIBRATED SEEDER. SEEDING SHOULD BE DONE TO THE SURFACE. MULCH WITH A DISC, SPRINGTOOTH HARRROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARRROWING OR DISCING SHOULD BE DONE TO THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDING IS PREPARED.
- 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 SEEDING. MULCH SHALL NOT BE APPLIED IN THE TANK WITH SEED. SHORTER FIBER MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 14 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 COULD REDUCE SEED GERMINATION AND BE USED FOR AREAS, 100 STEP FOR CONVENTIONAL EQUIPMENT TO HARROW OR 100 OBTSTRUCTED WITH ROCKS, STUMPS, ETC.)
- SEEDING, FIRMING THE SOIL WITH A CORRUATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT. RESTORE CAPABILITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHENWORKING ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED.

- MULCHING
 - MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXTENT OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DETERMINED BY THIS MULCHING RECOMMENDATION.
 - STRAW OR HAY: UNMOTTED SMALL GRASS 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 COVER IS USED INSTEAD OF A LIQUID MULCH-BINDER (SHOOTING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH COOPER-BLOOMERS MUST NOT DRIP THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FIRE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

- APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. THE REMAINDER OF THE AREA SHOULD BE UNIFORM IN APPEARANCE.

- USE ONE OF THE FOLLOWING:
 - ORGANIC AND VEGETABLE BASED BINDERS: NATURALLY OCCURRING, POWDER BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL, AND WHEN APPLIED TO MULCH UNDER SATURATED CURING CONDITIONS WILL FORM ADHESIVE NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOLOGIC EFFECT OR IMPROVE GROWTH OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOLOGIC EFFECT OR IMPROVE GROWTH OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOLOGIC EFFECT OR IMPROVE GROWTH OF INSOLUBLE POLYMERS.

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STANDARDS FOR TOPSOILING

- MATERIALS
 - TOPSOIL SHOULD BE FRIABLE, LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMOHS PER CENTIMETER. MORE THAN 0.5 MILLIMOHS MAY DESICcate SEEDLINGS AND ADVERSELY IMPACT GROWTH). IMPORTED TOPSOIL SHALL HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC MATTER CONTENT MAY BE INCREASED BY ADDITIVE ORGANIC MATTER, SOLUBLE SALTS AND PH LEVEL.
 - TOPSOIL SUBSTITUTE IS A SOIL MATERIAL WHICH MAY HAVE BEEN AMENDED WITH SAND, SILT, CLAY, ORGANIC MATTER, FERTILIZER OR LIME AND HAS THE APPEARANCE OF TOPSOIL. TOPSOIL SUBSTITUTES MAY BE UTILIZED ON SITES WITH INSUFFICIENT TOPSOIL, FOR ESTABLISHING PERMANENT VEGETATION. ALL TOPSOIL SUBSTITUTE MATERIALS SHALL MEET THE REQUIREMENTS OF TOPSOIL NOTED ABOVE. SOIL TESTS SHALL BE PERFORMED TO DETERMINE THE COMPONENTS OF SAND, SILT, CLAY, ORGANIC MATTER, SOLUBLE SALTS AND PH LEVEL.
- STRIPPING AND STOCKPILING
 - FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
 - STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
 - WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO APPROXIMATELY 6.5.
 - A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.
- STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
- STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH STANDARDS PREVIOUSLY DESCRIBED HEREIN; SEE STANDARDS FOR PERMANENT (PG. 4-1) OR TEMPORARY (PG. 4-2) VEGETATIVE COVER FOR TOPSOIL STABILIZATION. WEEDS SHOULD NOT BE ALLOWED TO GROW ON STOCKPILES.

- SITE PREPARATION
 - GRADE AT THE ONSET OF THE OPTIMAL SEEDING PERIOD SO AS TO MINIMIZE THE DURATION AND AREA OF EXPOSURE OF DISTURBED SOIL TO EROSION. IMMEDIATELY PROCEED TO ESTABLISH VEGETATIVE COVER IN ACCORDANCE WITH THE SPECIFIED SEED MIXTURE. TIME IS OF THE ESSENCE.
 - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDING PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. SEE THE STANDARD FOR LAND GRADING, PG. 19-1.
 - AS GUIDANCE FOR IDEAL CONDITIONS, MULCH SHOULD BE TESTED FOR LIME REQUIREMENT. LIME, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL TO A PH OF APPROXIMATELY 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
 - PRIOR TO TOPSOILING, THE SUBSOIL SHALL BE IN COMPLIANCE WITH THE STANDARD FOR LAND GRADING, PG. 19-1.
- EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42.
- APPLYING TOPSOIL
 - TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE, I.E., LESS THAN FIRM CAPACITY (SEE GLOSSARY).

- A UNIFORM APPLICATION TO AN AVERAGE DEPTH OF 5.0 INCHES, MINIMUM OF 4 INCHES, FIRMLY IN PLACE IS REQUIRED. ALTERNATIVE DEPTHS MAY BE CONSIDERED WHERE SPECIAL REGULATORY AND/OR OTHER DESIGN STANDARDS ARE APPROPRIATE SUCH AS ON GOLF COURSES, SPORTS FIELDS, LANDFILL CAPPING, ETC. SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING RISK SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE, IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOIL (PG. 1-1).

- CONJUNCT TO THE REQUIREMENTS IN SECTION 7 OF THE STANDARD FOR PERMANENT VEGETATIVE STABILIZATION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT PERMANENT VEGETATIVE COVER BECOMES ESTABLISHED ON AT LEAST BOX OF THE SOILS TO BE STABILIZED. FAILURE TO ACHIEVE THE MINIMUM COVERAGE MAY REQUIRE ADDITIONAL WORK TO BE PERFORMED BY THE CONTRACTOR TO INCLUDE SOME OR ALL OF THE FOLLOWING SUPPLEMENTAL SEEDING, RE-APPLICATION OF LIME AND FERTILIZERS, AND/OR THE ADDITION OF ORGANIC MATTER (I.E. COMPOST) AS A TOP DRESSING. SUCH ADDITIONAL MEASURES SHALL BE BASED ON SOIL TESTS SUCH AS THOSE OFFERED BY RUTGERS COOPERATIVE EXTENSION SERVICE OR OTHER APPROVED LABORATORY FACILITIES QUALIFIED TO TEST SOIL SAMPLES FOR AGRONOMIC PURPOSES.

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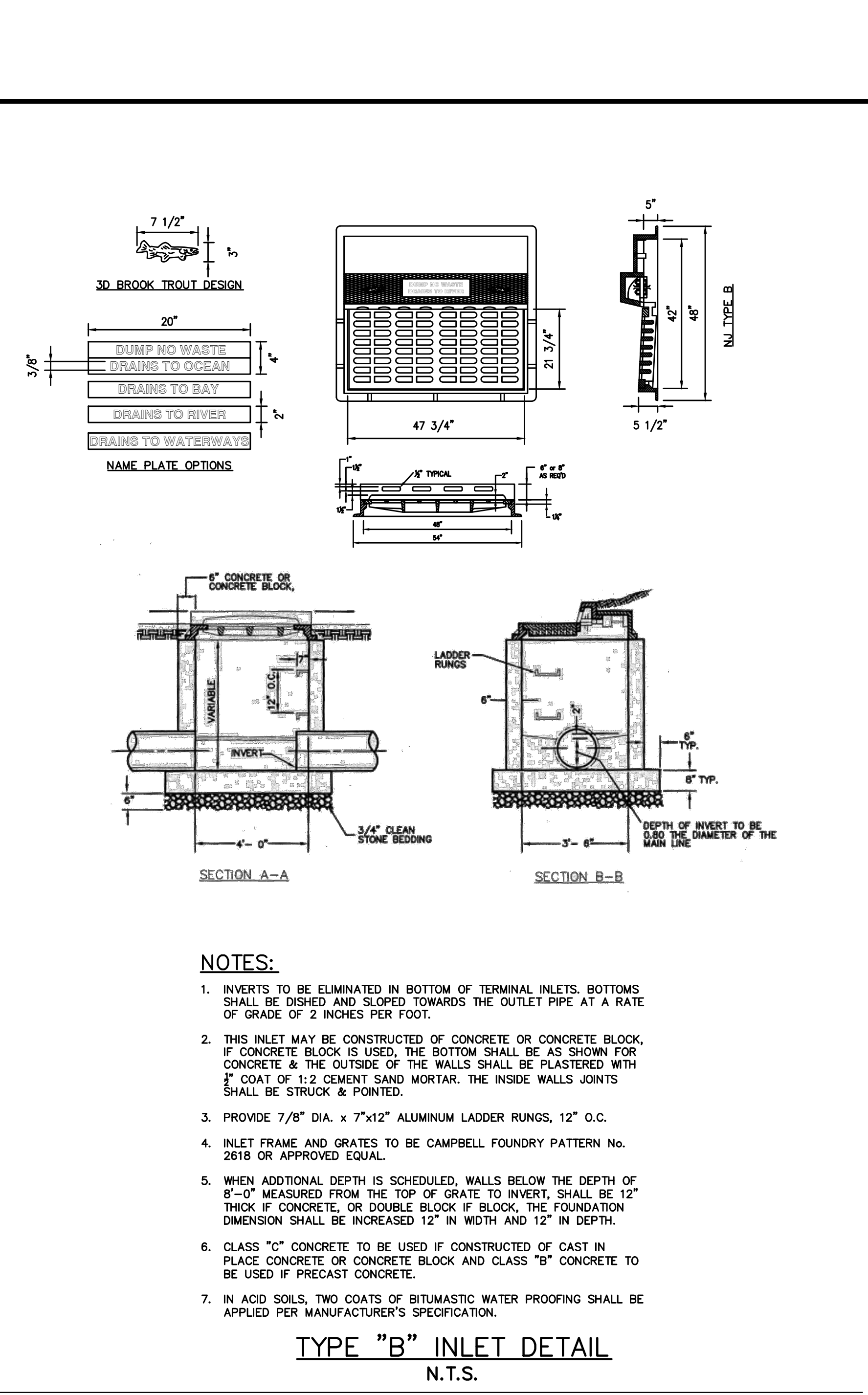
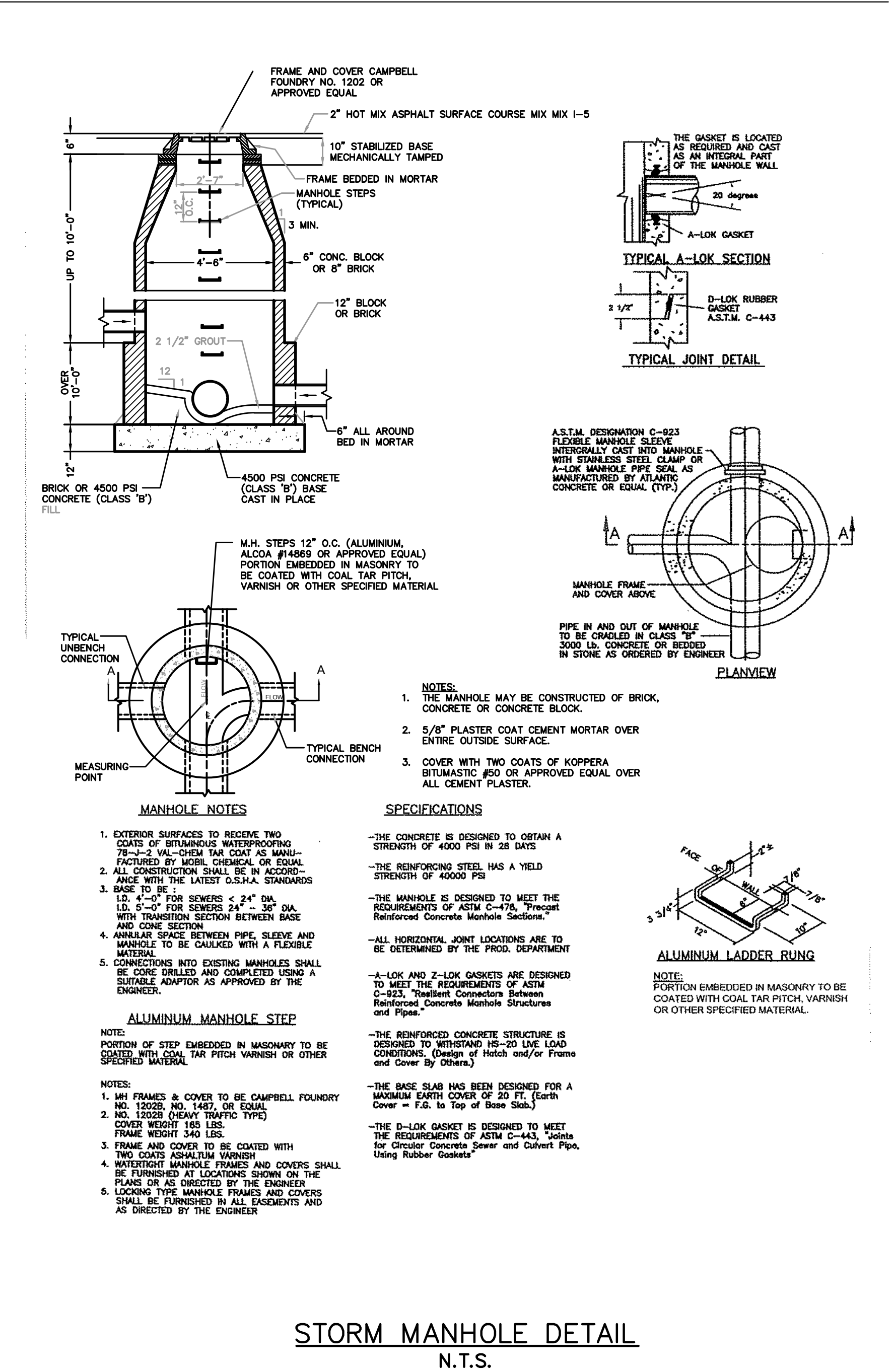
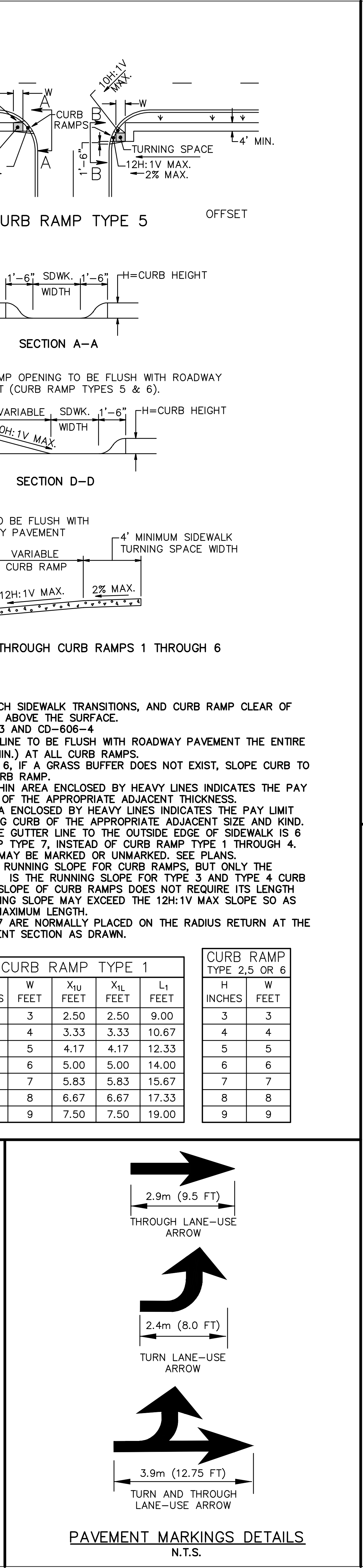
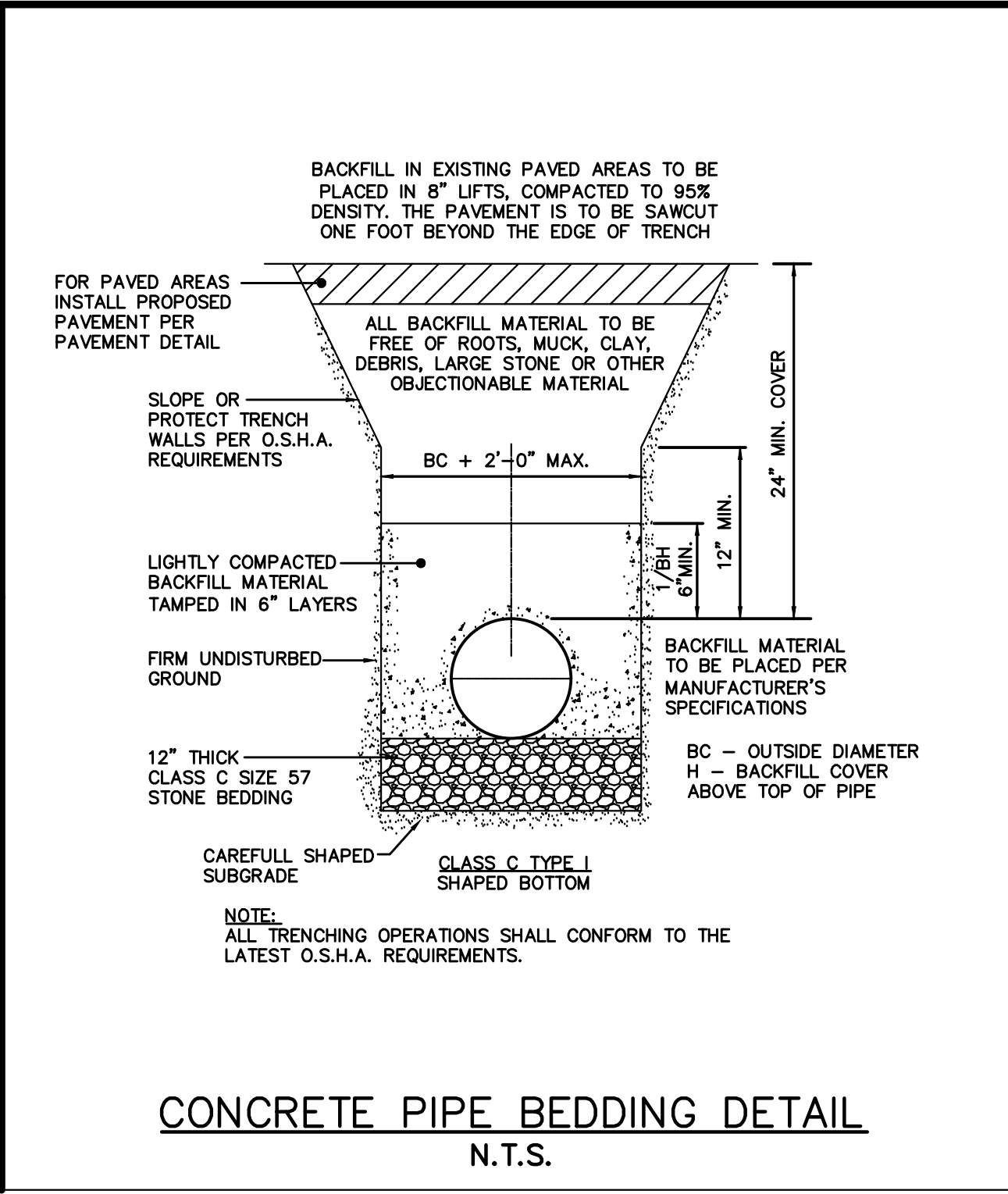
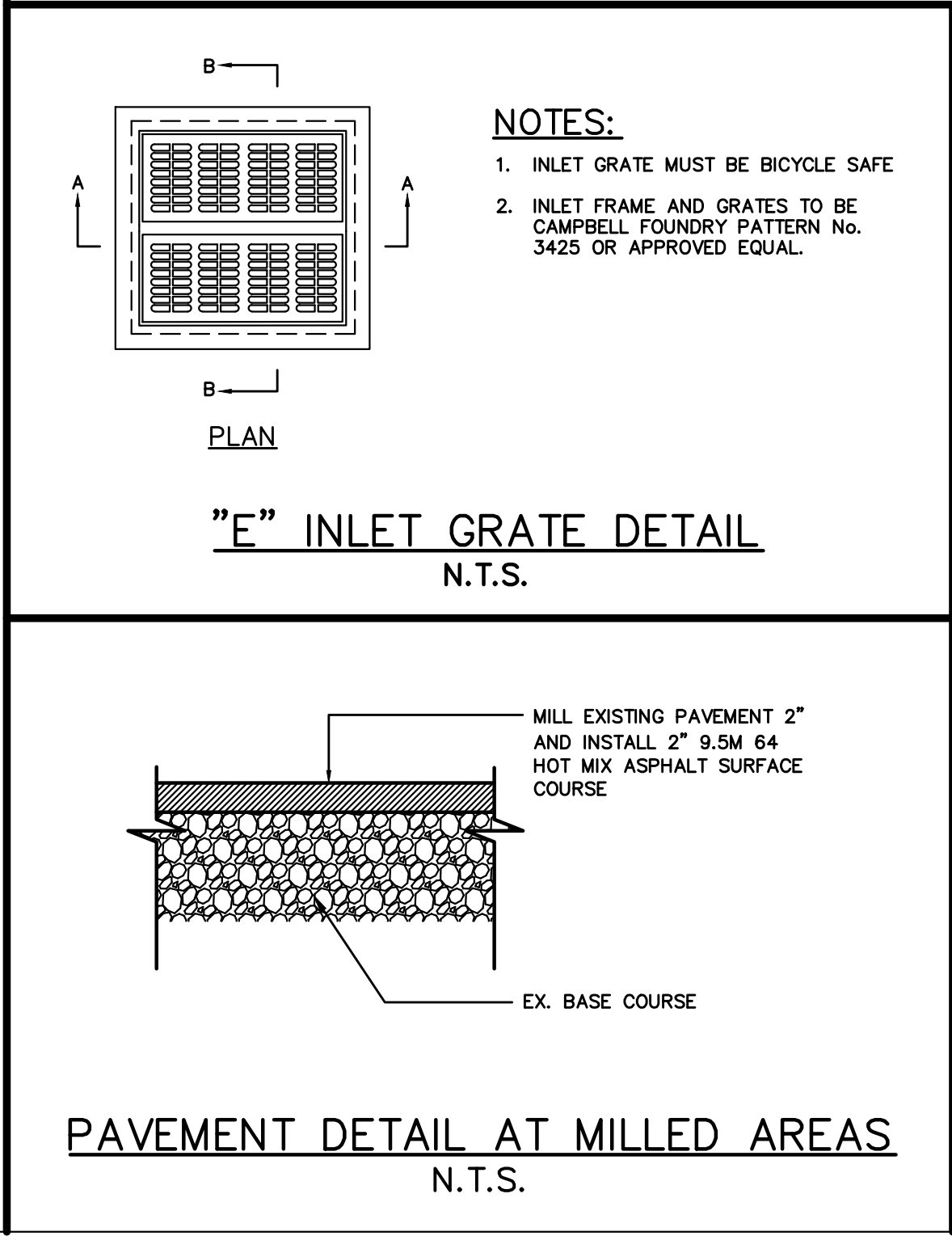
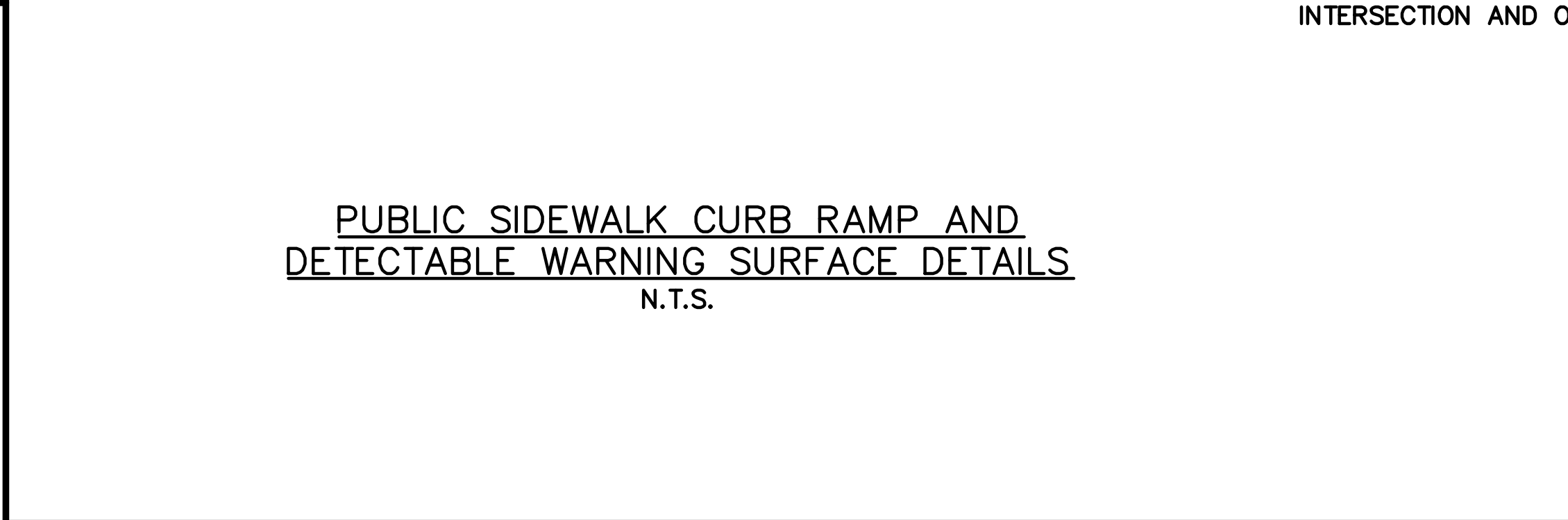
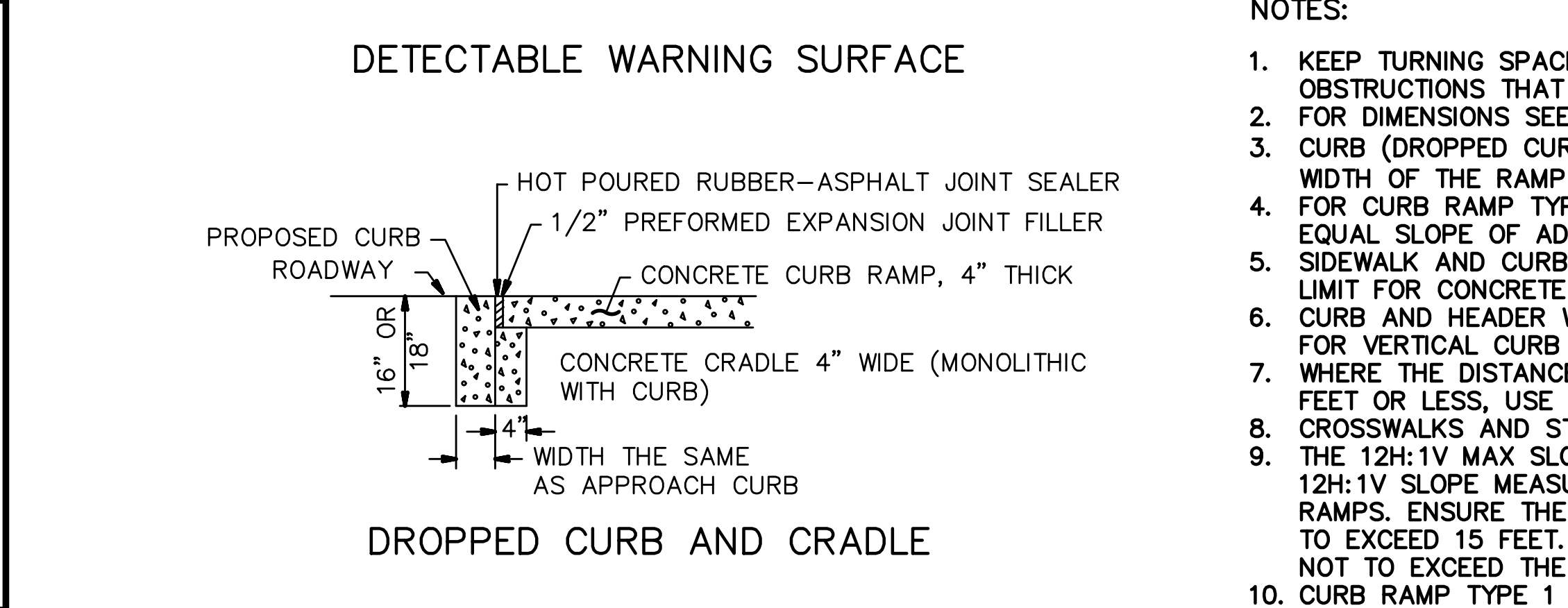
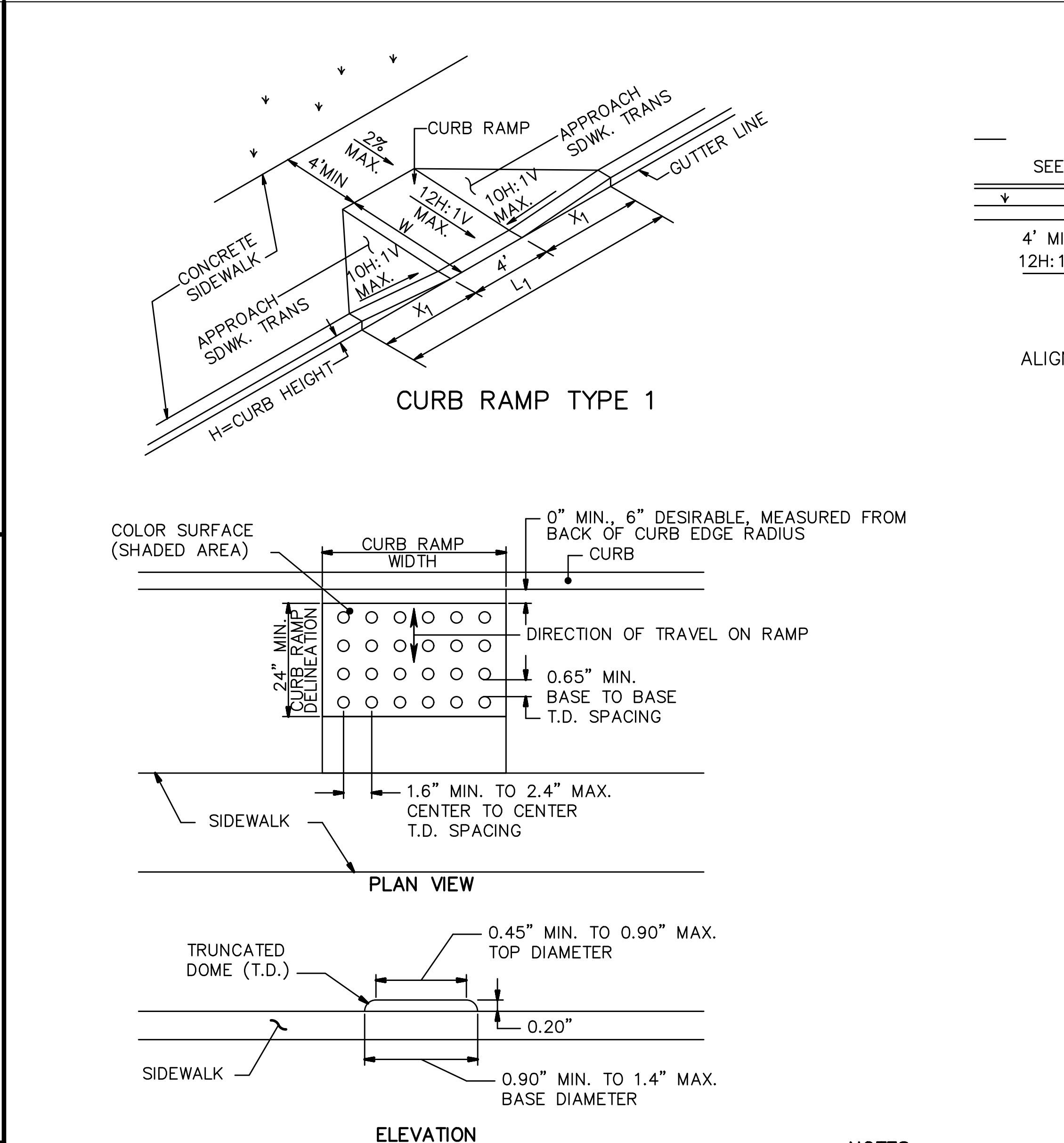
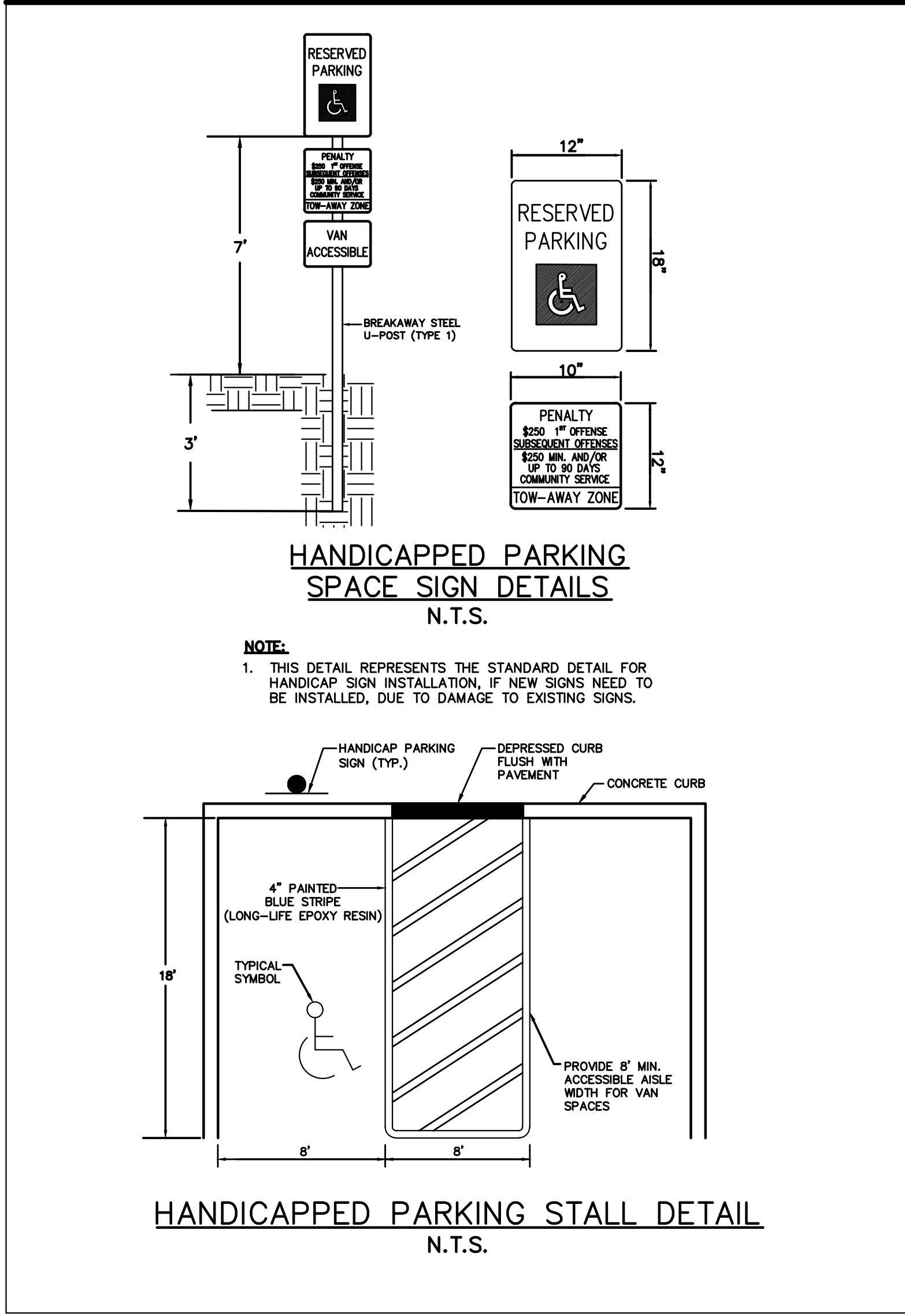
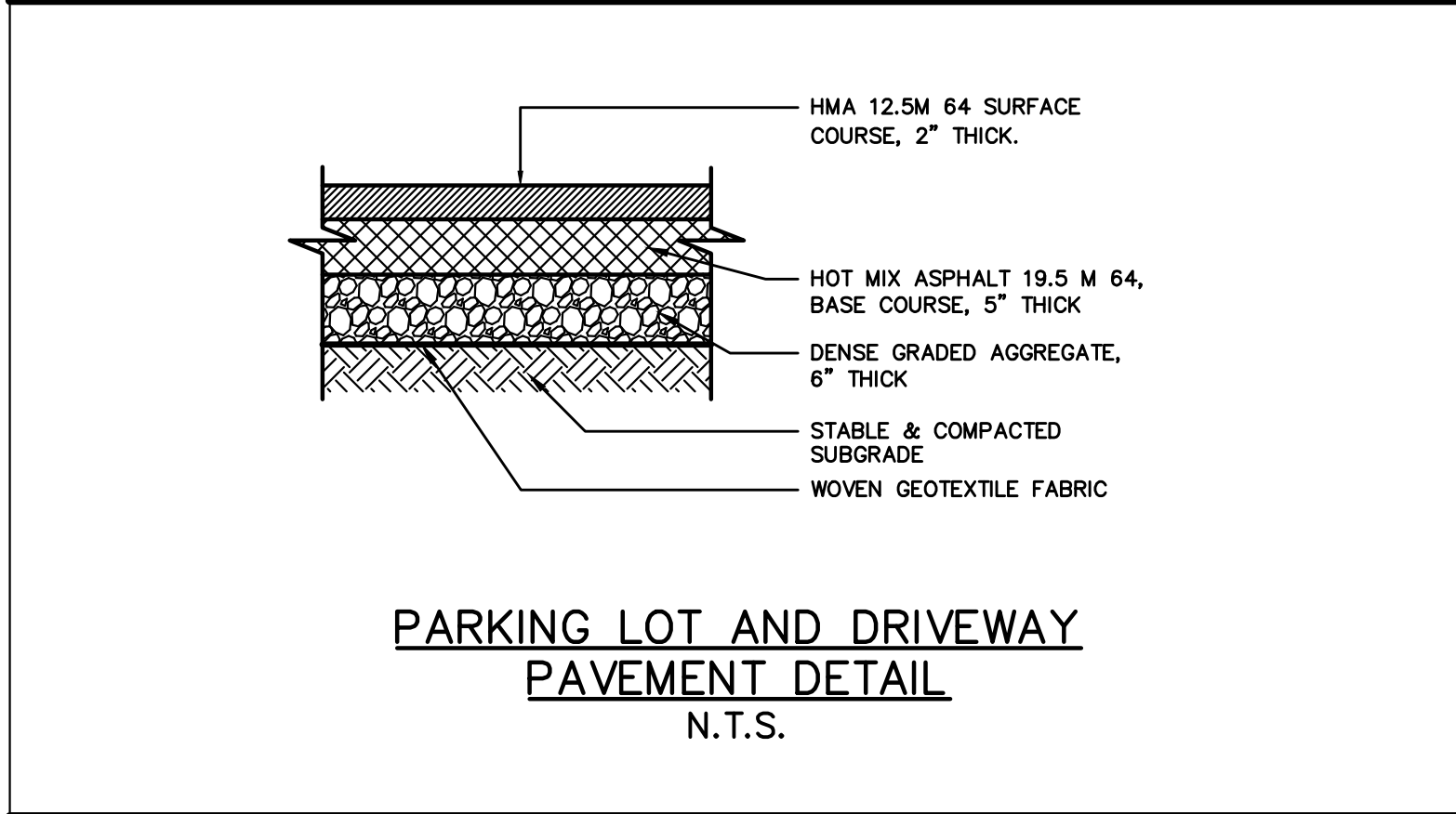
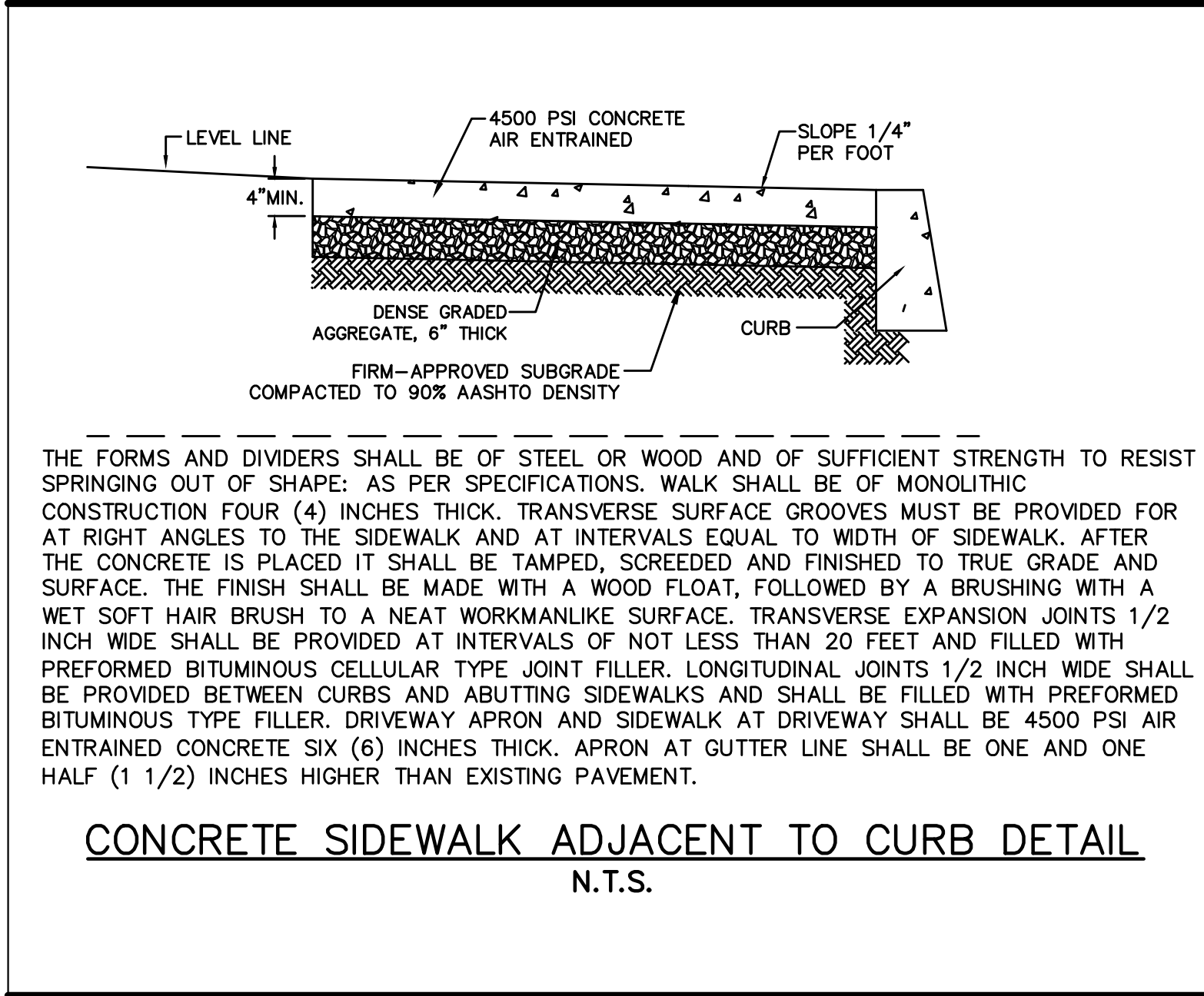
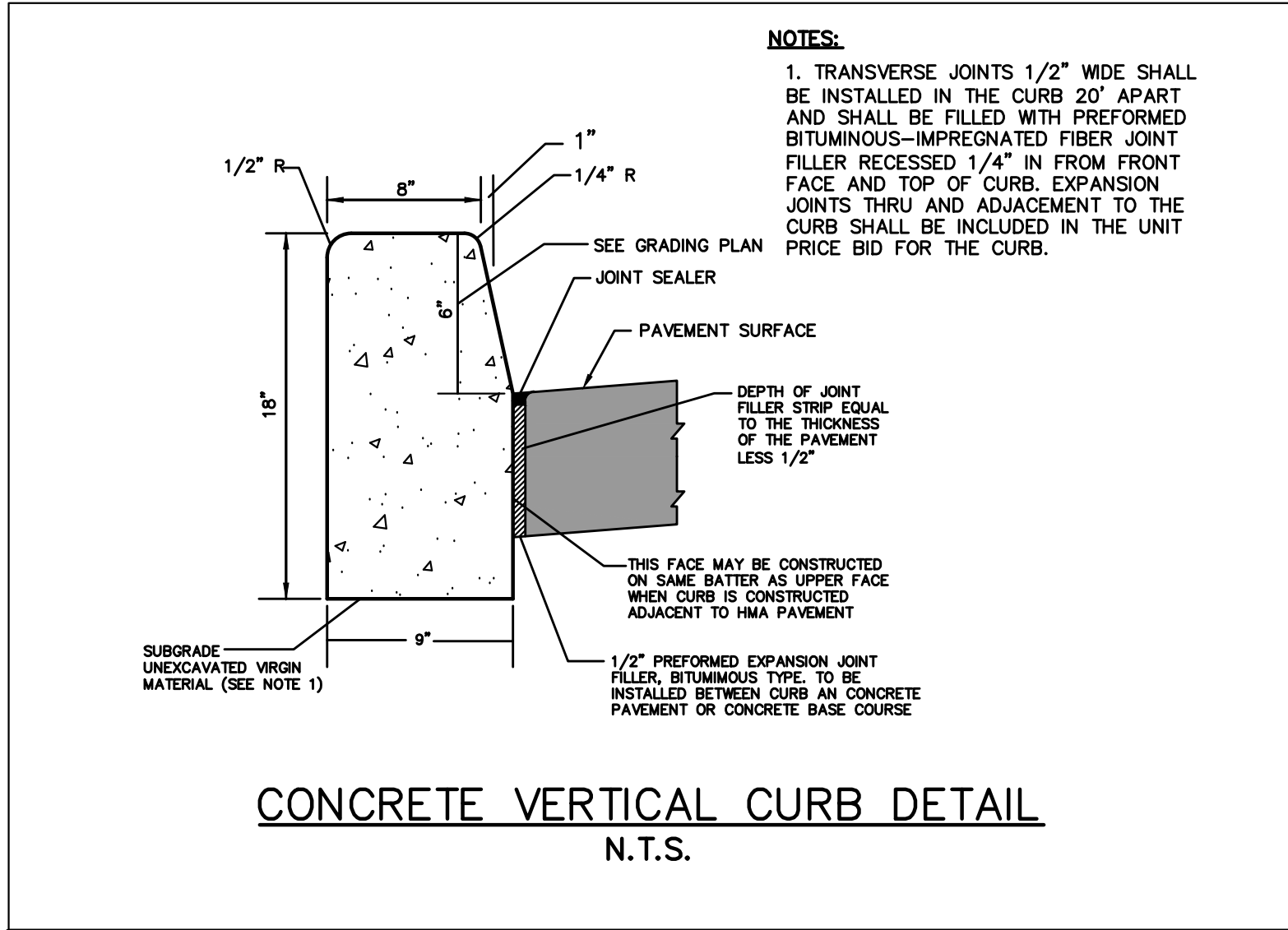
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CODE REVIEW:

CERTIFICATE:

spiezie

SPIEZE ARCHITECTURAL GROUP INC.
1395 YARDVILLE HAMILTON SQUARE ROAD SUITE 2A
HAMILTON, NJ 08601
PHONE: 609-695-7400

SIGNATURE:

THOMAS S. PERRO
SCOTT E. DOWNE
STEVEN A. REED
JOHN WRIGHT
SPIEZE ARCHITECTURAL GROUP INC.

SEAL:

CONSULTANTS:

B&G Engineering LLC
Sub of N.J. Certificate of Authorization 2402810000
30 BERNARD DRIVE
WINNA, N.J. 08628
Phone (732) 588-8616
Fax (609) 671-0715

BESRICK G. PLUMMER
PROFESSIONAL ENGINEER
NEW JERSEY LIC. NO. 39534

PROJECT:
PARKING LOT EXPANSION
AT EISENHOWER
ELEMENTARY SCHOOL
601 ERNSTON ROAD, PARLIN, NJ 08859
LOT 2102, BLOCK 447.06
BOROUGH OF SAYREVILLE,
MIDDLESEX COUNTY, NJ
FOR

SAYREVILLE PUBLIC SCHOOLS
298 ERNSTON ROAD, PARLIN, NJ 08859

FOR CODE REVIEW:

REVISIONS:

REVISION NAME	DATE
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FOR BID:

DRAWING TITLE:

CONSTRUCTION DETAILS

COMMISSION NUMBER:

25K0111

B&G PROJECT NO.: 2401A

DRAWING NUMBER:

SW-7



R5 - 1 [30" X 30"]
(6.3 S.F.)

R5 - 1 (S) [36" X 36"]
(9 S.F.)



R1 - 1 [30"x 30"]
(5.5 S.F.)



(L or R)
R6 - 1 [36" X 12"]
(3 S.F.)

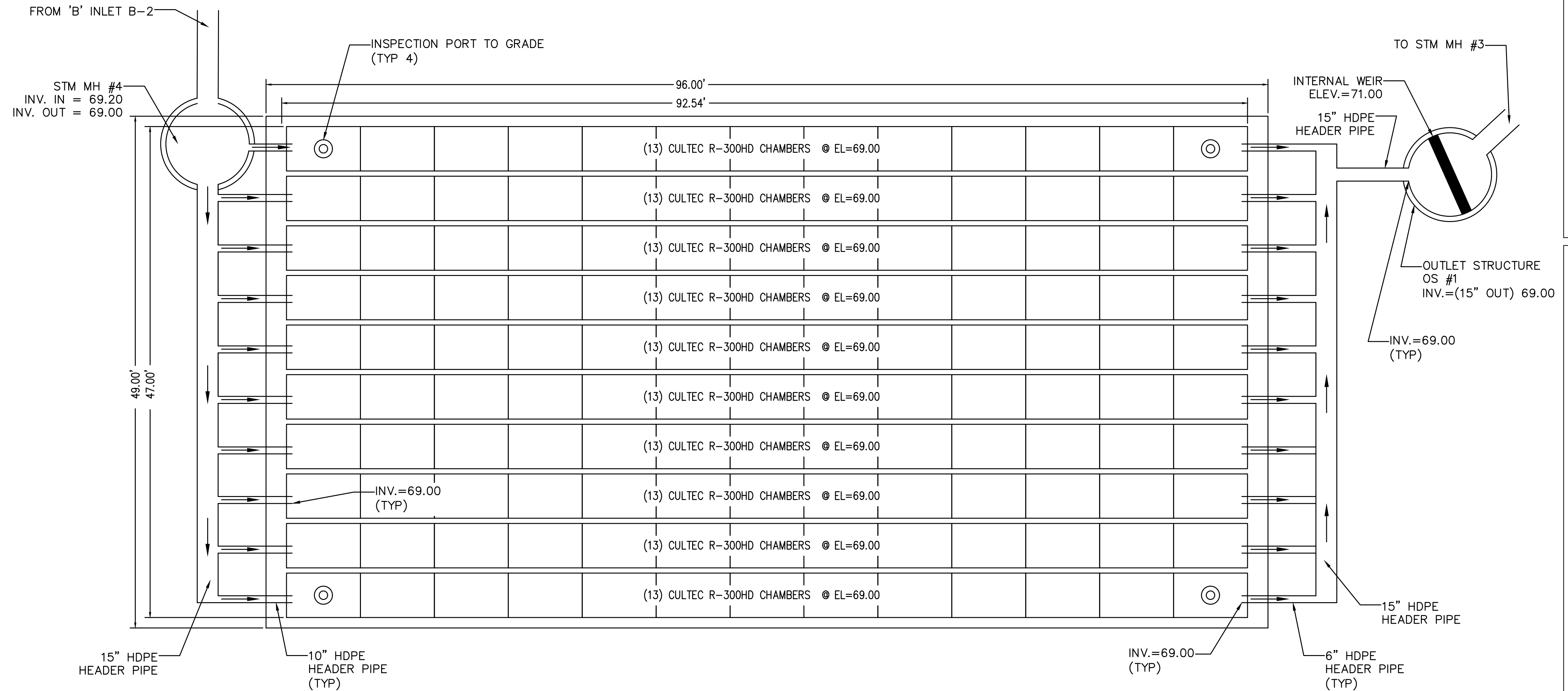


"BUSES ONLY"
SIGN
24"x18"

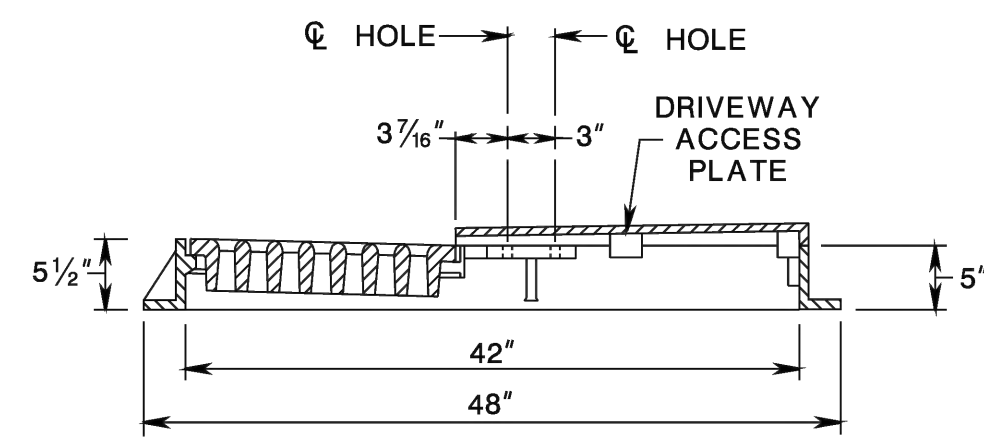


"STAFF PARKING
ONLY SIGN"
18"x12"

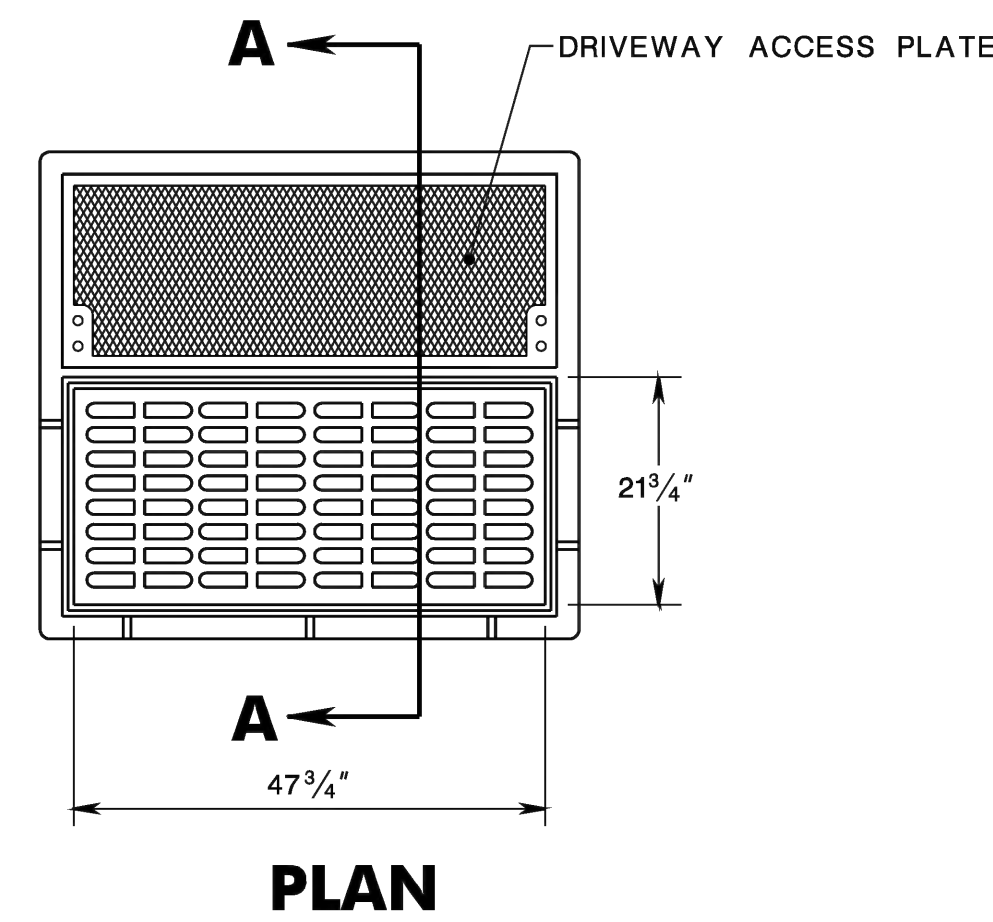
TRAFFIC SIGN DETAILS
N.T.S.



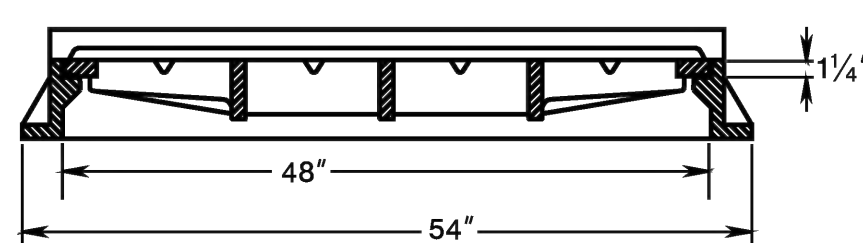
UNDERGROUND DETENTION
SYSTEM DETAIL
N.T.S.
(SYSTEM TO BE MANUFACTURED BY
CULTEC INC. OR APPROVED EQUAL)



SECTION A-A



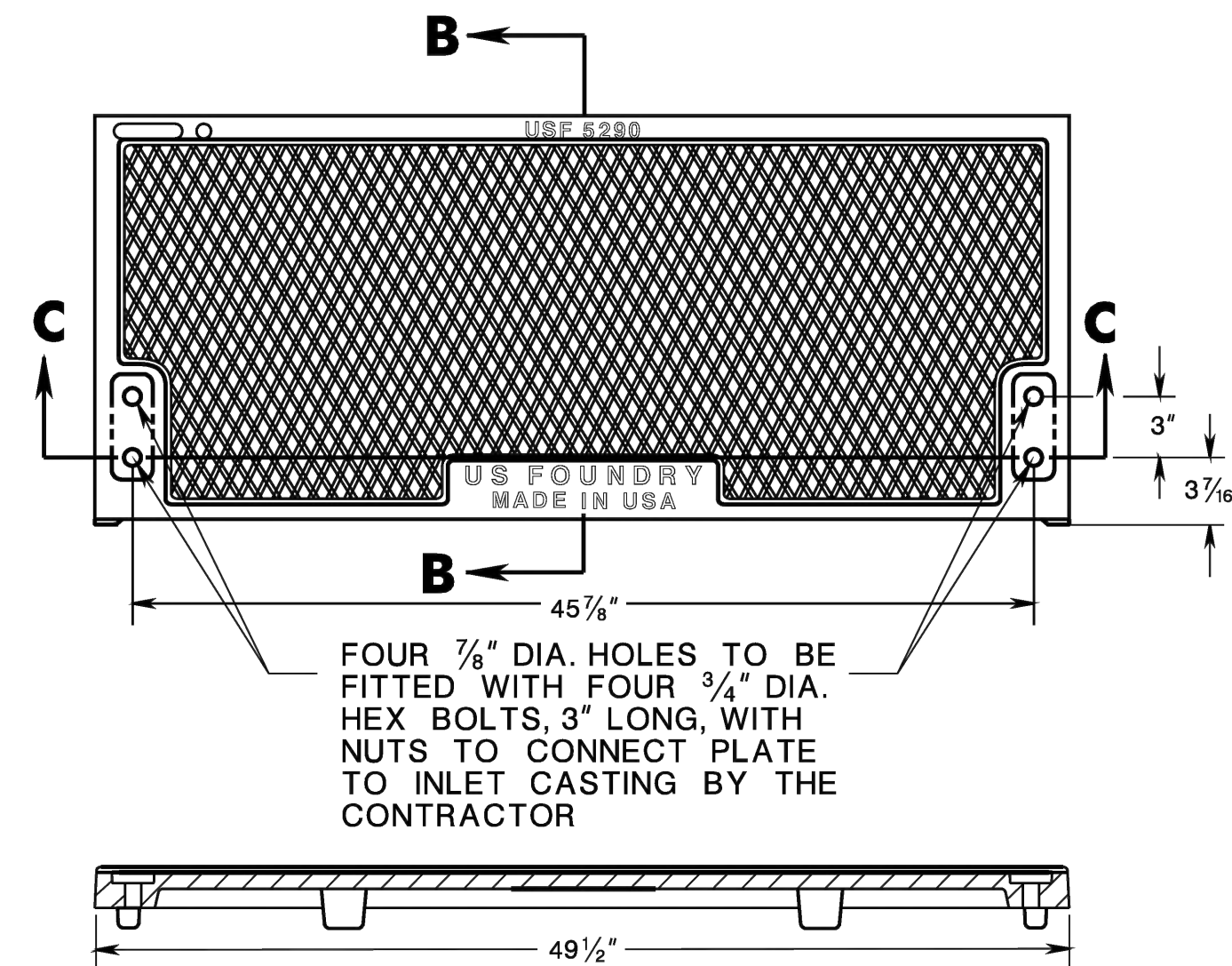
PLAN



FRONT ELEVATION

DRIVEWAY ACCESS PLATE DETAILS FOR
INLET TYPE B AND TYPE C CASTING
N.T.S.

WEIGHT OF PLATE = 300 LBS

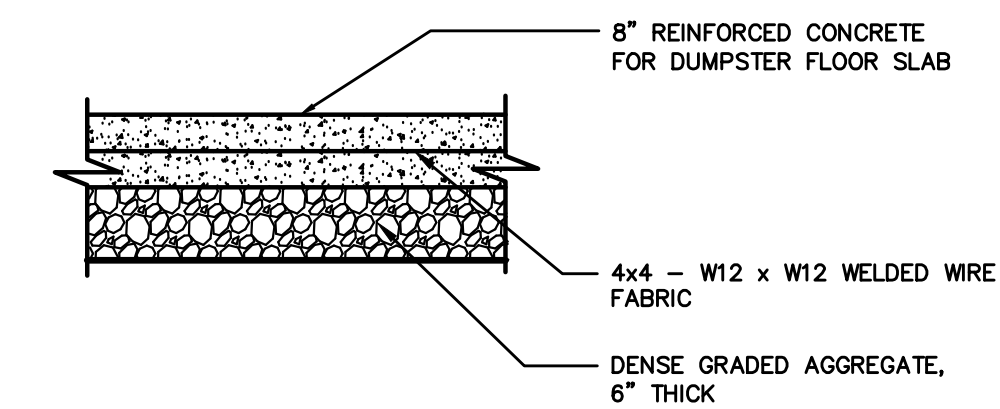


SECTION C-C

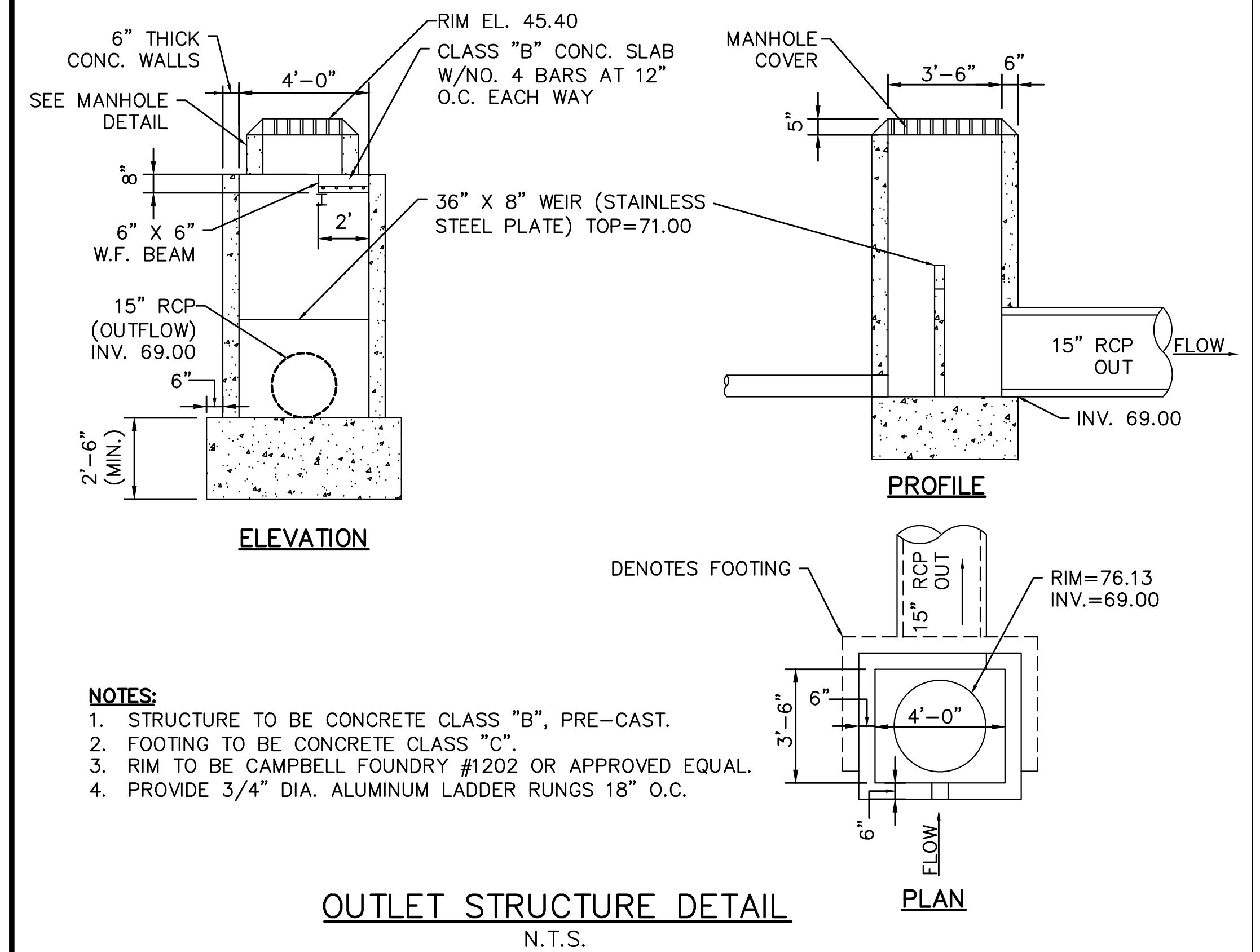
FRONT ELEVATION

- NOTES:
1. USE DRIVEWAY ACCESS PLATE ON TYPE B, B1, B2, OR C INLET WHERE CURB PIECE HEIGHT OF 2 INCHES IS REQUIRED AT DRIVEWAYS OR AT GUIDE RAIL TERMINALS.
 2. THE NEW INLET TYPE B OR TYPE C CASTING WILL BE FITTED WITH DRIVEWAY ACCESS PLATE IN LIEU OF CURB PIECE. PAYMENT WILL BE MADE UNDER EITHER "SET INLET TYPE B, CASTING" OR "RECONSTRUCTED INLET, TYPE _ , USING NEW CASTING."
 3. SEE INLET TYPE B AND TYPE C CASTING DETAIL.

SECTION B-B



CONCRETE SLAB DETAIL AT
DUMPSTER ENCLOSURE
N.T.S.



- NOTES:
1. STRUCTURE TO BE CONCRETE CLASS "B", PRE-CAST.
 2. FOOTING TO BE CONCRETE CLASS "C".
 3. RIM TO BE CAMPBELL FOUNDRY #1202 OR APPROVED EQUAL.
 4. PROVIDE 3/4" DIA. ALUMINUM LADDER RUNGS 18" O.C.

OUTLET STRUCTURE DETAIL
N.T.S.

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.
1395 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08601
PHONE: 609-695-7400

SIGNATURE:
THOMAS S. PIERRO 2140110546
SCOTT E. DOWNS 2140110460
STEVEN G. HINE 2140110460
ANDREW J. REBEL 2140110460
JOHN J. WRIGHT 2140110460
SPIEZLE ARCHITECTURAL GROUP, INC. 2140110460

SEAL:

CONSULTANTS:

B&G
Engineering LLC
State of N.J. Certificate of Authorization: 2462816000
30 BERNARD DRIVE
EDWINS, N.J. 08628
Phone: (732) 588-8816
Fax: (609) 671-0715

BESRICK G. PLUMMER
PROFESSIONAL ENGINEER
NEW JERSEY LIC. NO. 39534

PROJECT:
PARKING LOT EXPANSION
AT EISENHOWER
ELEMENTARY SCHOOL
601 ERNSTON ROAD, PARLIN, NJ 08859
LOT 2102, BLOCK 447.06
BOROUGH OF SAYREVILLE,
MIDDLESEX COUNTY, NJ
FOR



SAYREVILLE PUBLIC
SCHOOLS
298 ERNSTON ROAD, PARLIN, NJ 08859

FOR CODE REVIEW:

REVISIONS:

REVISION NAME	DATE
---------------	------

FOR BID:

DRAWING TITLE:

CONSTRUCTION
DETAILS

COMMISSION NUMBER:
25K0111

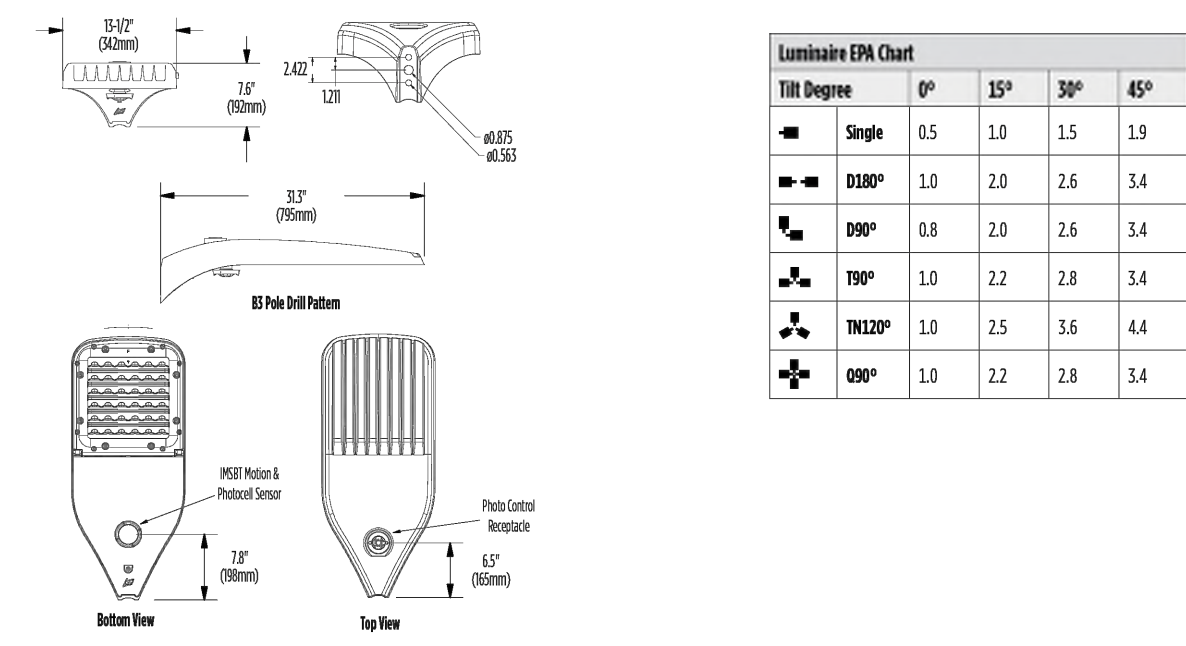
B&G PROJECT NO.: 2401A

DRAWING
NUMBER:

SW-8

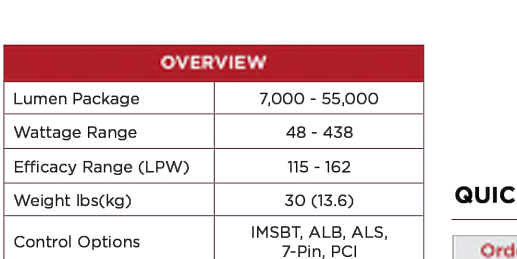
Mirada Medium Outdoor LED Area Light

PRODUCT DIMENSIONS



Mirada Medium (MRM) Outdoor LED Area Light

PRODUCT 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 poles.
- Fixtures are finished with LSI's DuraGrip[®] polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 37 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 4, 5W, FT, FTA, AM, and LC/RC.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K, 3500K, 3000K and 2700K color temperatures per ANSI C78.377. Also Available in Prospec[®] Converted Amber with Peak intensity at 670nm.
- 70 or 80CRI Minimum.
- Integral lower (L) and integral half lower (H) options available for enhanced backlight control.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (0% - 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%.
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C. 55L lumen package rate to +35°C.
- Power factor: >90.
- Input power stays constant over life.
- Field replaceable 10KV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation.
- Components are fully encased in potting material for moisture resistance. Driver and key electronic components can easily be accessed.

Warranty

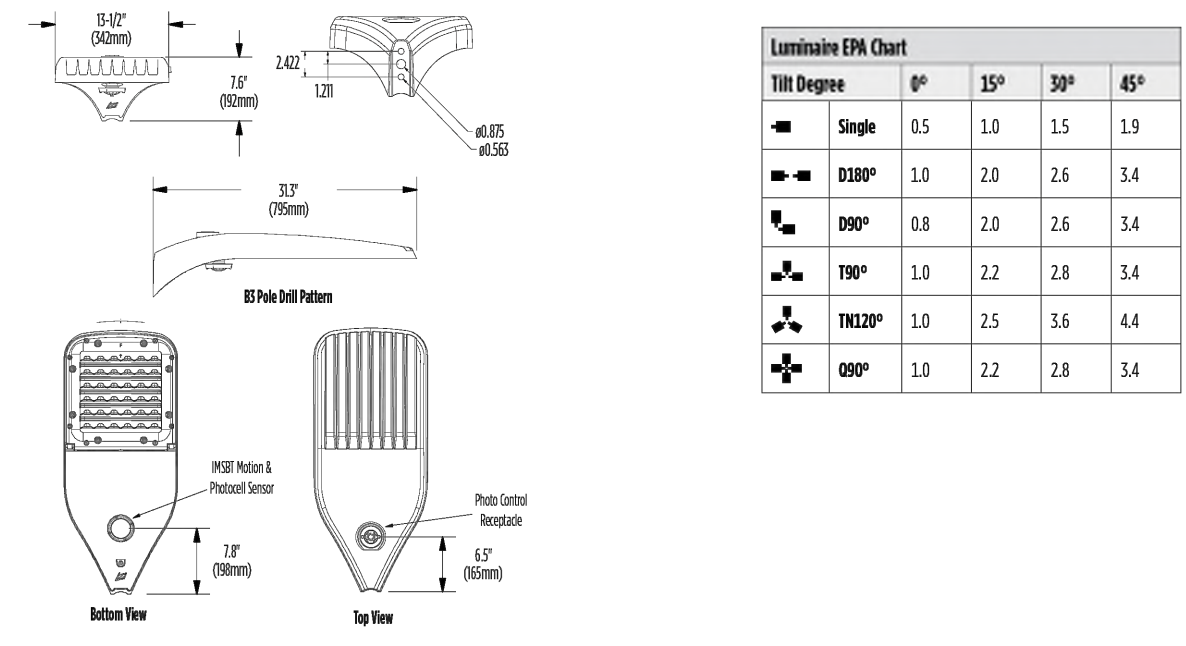
- LSI LED Fixtures carry a 5-year warranty.
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- Listings
 - Listed to UL 1598 and UL 8750.
 - Meets Buy American Act requirements.
 - Dark Sky compliant; with 3000K color temperature selection.
 - Title 24 Compliant; see local ordinance for qualification information.
 - RoHS compliant.
 - Suitable for wet locations.
 - IP66 rated Luminaires per IEC 60588.
 - 3G rated for ANSI C136.31 high vibration applications are qualified.
 - DesignLights Consortium[®] (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/DLC to confirm which versions are qualified.
 - Patented Silicone Optics (US Patent NO. 10,816,165 B2).

Controls

- Optional integral passive infrared Bluetooth[®] motion. Fixtures operate independently and can be commissioned via iOS or Android configuration app.

Mirada Medium Outdoor LED Area Light

PRODUCT DIMENSIONS

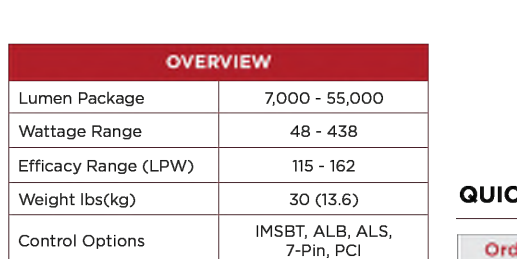


A4 LIGHT FIXTURE DETAILS N.T.S.



Mirada Medium (MRM) Outdoor LED Area Light

PRODUCT 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 poles.
- Fixtures are finished with LSI's DuraGrip[®] polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
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- Zero uplight.
- Available in 5000K, 4000K, 3500K, 3000K and 2700K color temperatures per ANSI C78.377. Also Available in Prospec[®] Converted Amber with Peak intensity at 670nm.
- 70 or 80CRI Minimum.
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- 0-10V dimming (0% - 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).
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 - RoHS compliant.
 - Suitable for wet locations.
 - IP66 rated Luminaires per IEC 60588.
 - 3G rated for ANSI C136.31 high vibration applications are qualified.
 - DesignLights Consortium[®] (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/DLC to confirm which versions are qualified.
 - Patented Silicone Optics (US Patent NO. 10,816,165 B2).

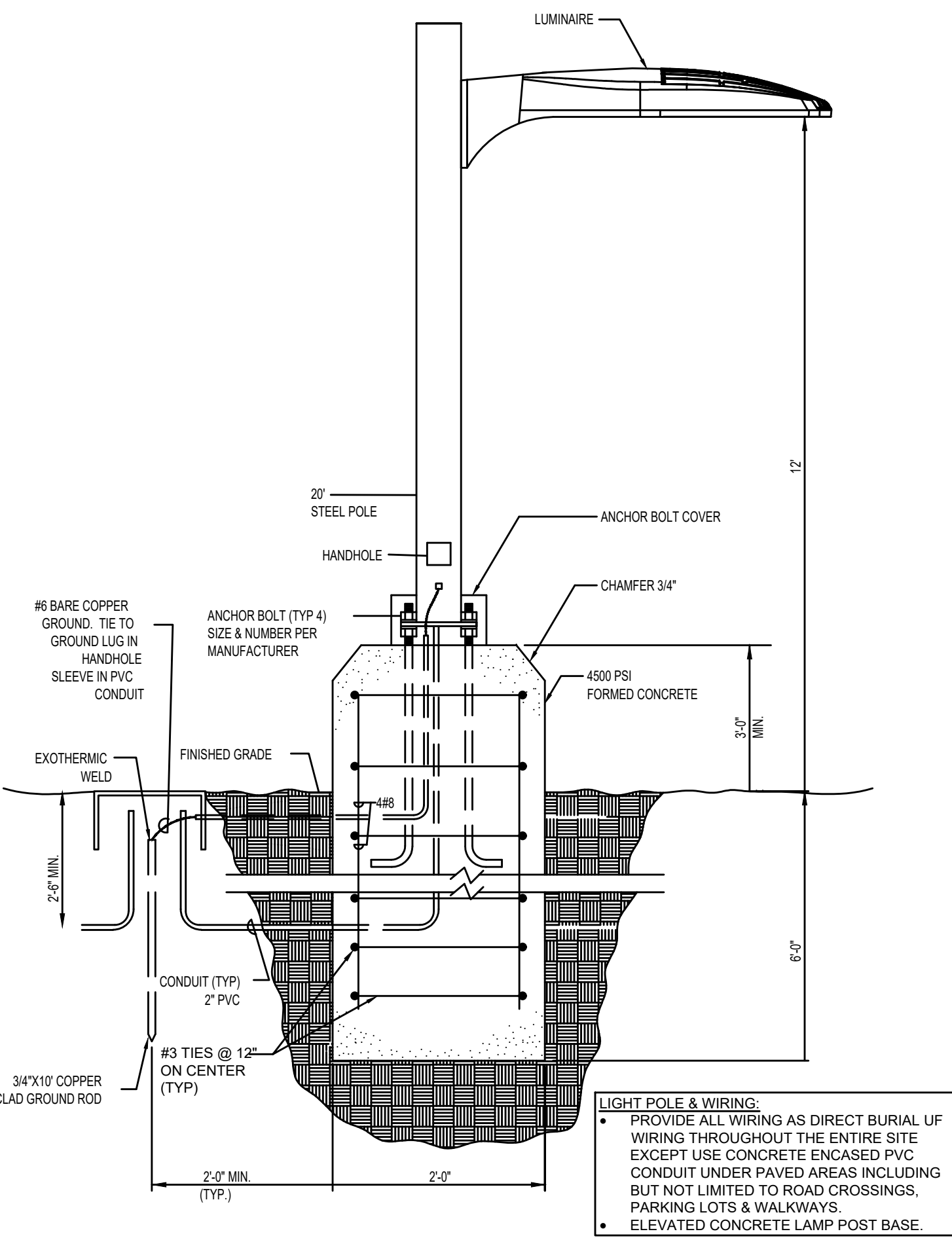
- LSI's AirLink[™] wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7. (See controls section for more details).

Installation

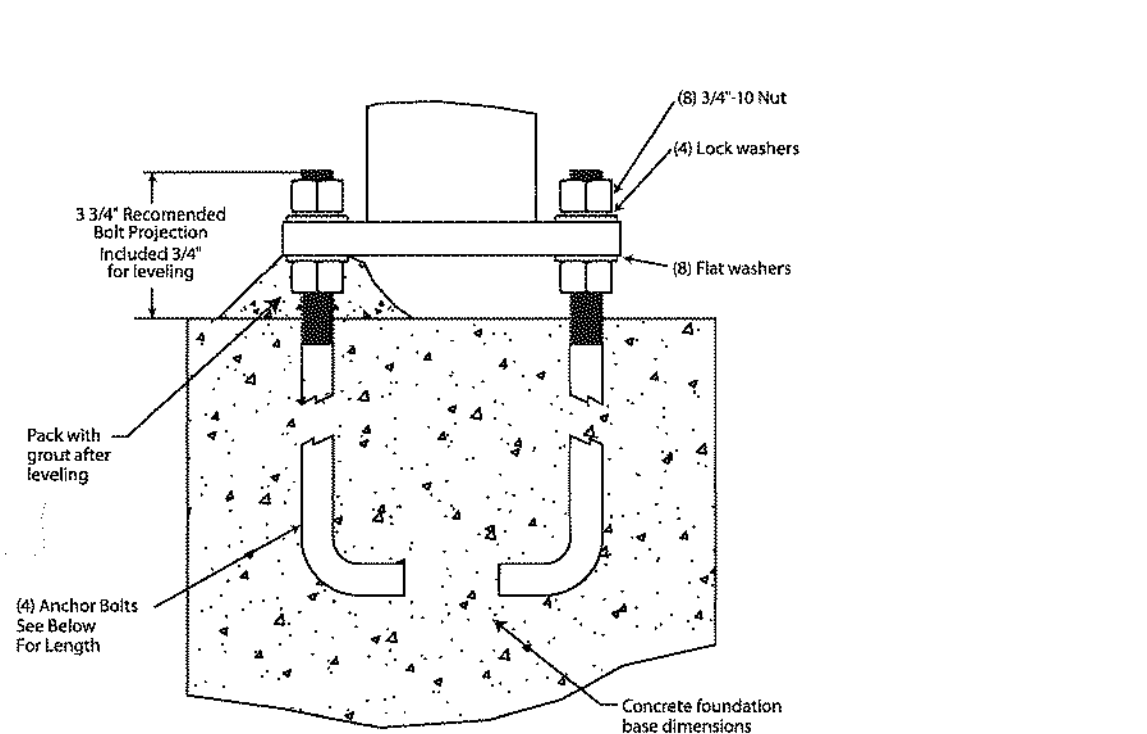
- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- LSI's traditional 3" drill pattern B3 for easy fastening of LSI products.

Warranty

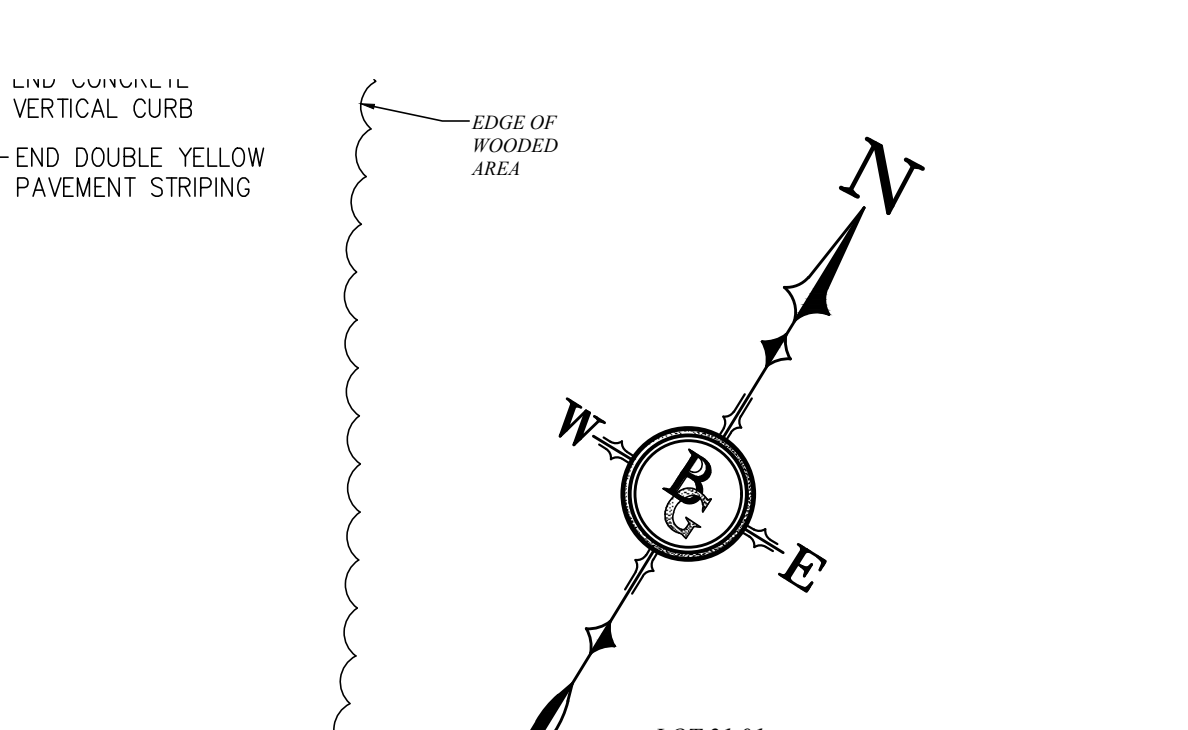
- LSI LED Fixtures carry a 5-year warranty.
- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Dark Sky compliant; with 3000K color temperature selection.
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- 3G rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium[®] (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/DLC to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2).



POLE MOUNTED SITE LIGHT DETAIL N.T.S.

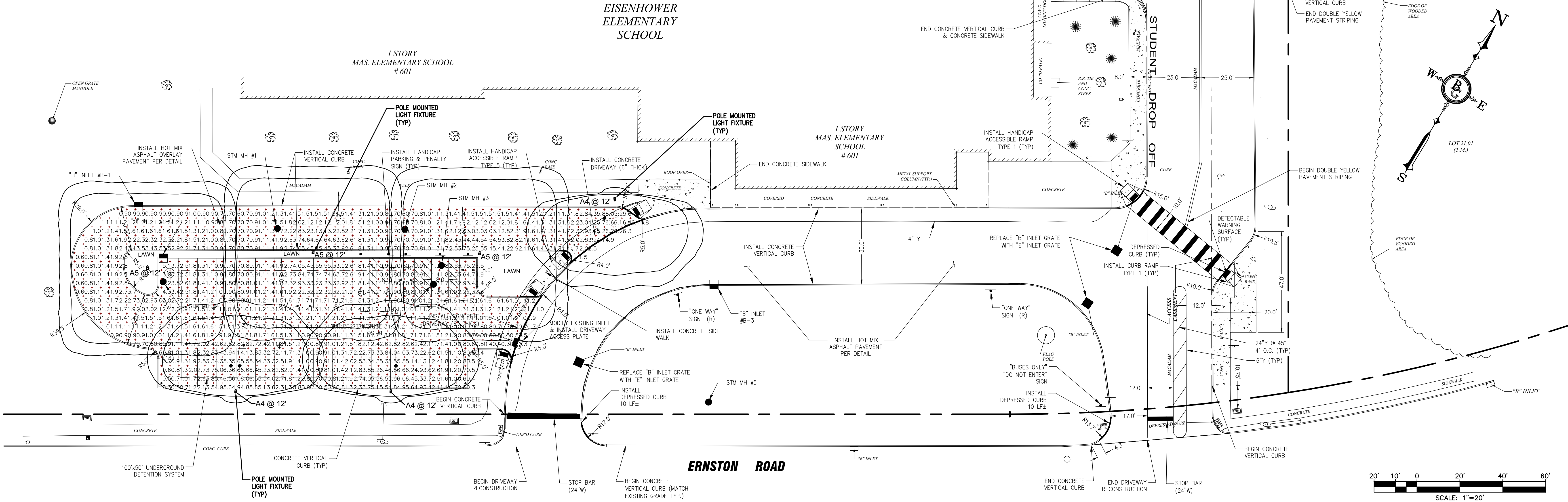


LIGHT POLE ANCHOR BOLT DETAIL N.T.S.



Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiplier	LLF	Wattage	Notes
	A4	3	LSI INDUSTRIES, INC.	MRM-LED-09L-SIL-4-30-70CRI-L	LED ARM MOUNT AREA LIGHT, TYPE 4 SILICONE OPTICS	LED 3000K	1	MRM-LED-09L-SIL-4-30-70CRI-L	6146	1	0.9	62	
	A5	3	LSI INDUSTRIES, INC.	MRM-LED-09L-SIL-5W-3070CRI	LED ARM MOUNT AREA LIGHT, TYPE 5 SILICONE OPTICS	LED 3000K	1	MRM-LED-09L-SIL-5W-30-70CRI-L	9506	1	0.9	62	

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
New Parking	+	1.9 fc	6.6 fc	0.3 fc	22.0:1	6.3:1



CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.
1395 YAROVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08601
PHONE: 609-695-7400

SIGNATURE:
THOMAS S. PERINO
SCOTT E. DOWNE
STEVEN A. SEEL
ANDREW B. BERTS
JOHN J. WRIGHT
SPIEZLE ARCHITECTURAL GROUP, INC.

SCALE:

CONSULTANTS:

B&G Engineering LLC
State of N.J. Certificate of Authorization: 240210000
30 BERNARD DRIVE
WINN, N.J. 08528
Phone: (732) 588-8616
Fax: (609) 671-0715

BESRICK G. PLUMMER
PROFESSIONAL ENGINEER
NEW JERSEY LIC. NO. 39534

PROJECT:
**PARKING LOT EXPANSION
AT EISENHOWER
ELEMENTARY SCHOOL**
601 ERNSTON ROAD, PARLIN, NJ 08859
LOT 2102, BLOCK 447.06
BOROUGH OF SAYREVILLE,
MIDDLESEX COUNTY, NJ
FOR

**SAYREVILLE PUBLIC
SCHOOLS**
298 ERNSTON ROAD, PARLIN, NJ 08859

FOR CODE REVIEW:

REVISIONS:	REVISION NAME	DATE
------------	---------------	------

FOR BID:

DRAWING TITLE:
**PARKING LOT
LIGHTING PLAN**

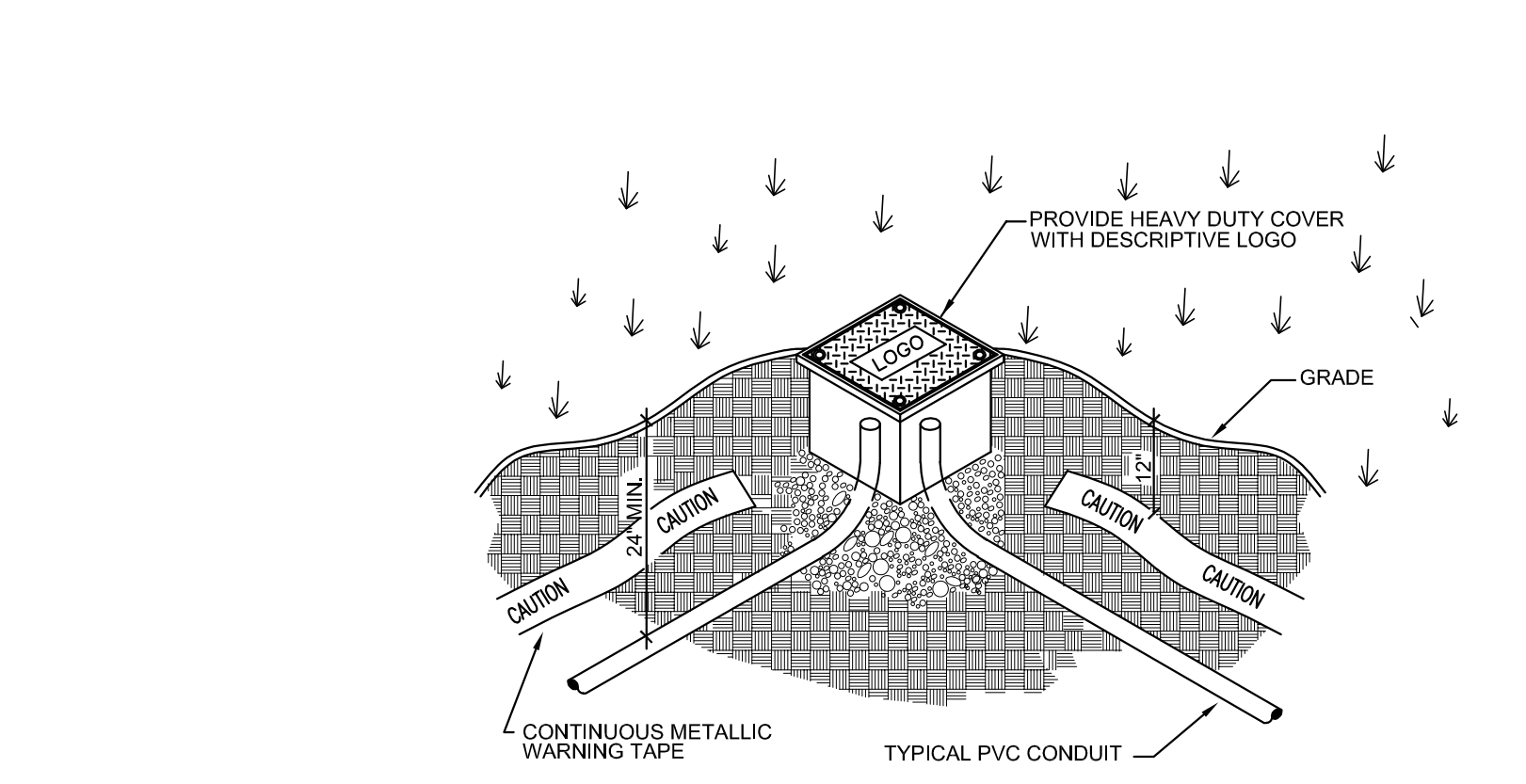
COMMISSION NUMBER:
25K011

B&G PROJECT NO.: 2401A
DRAWING NUMBER:
SW-9

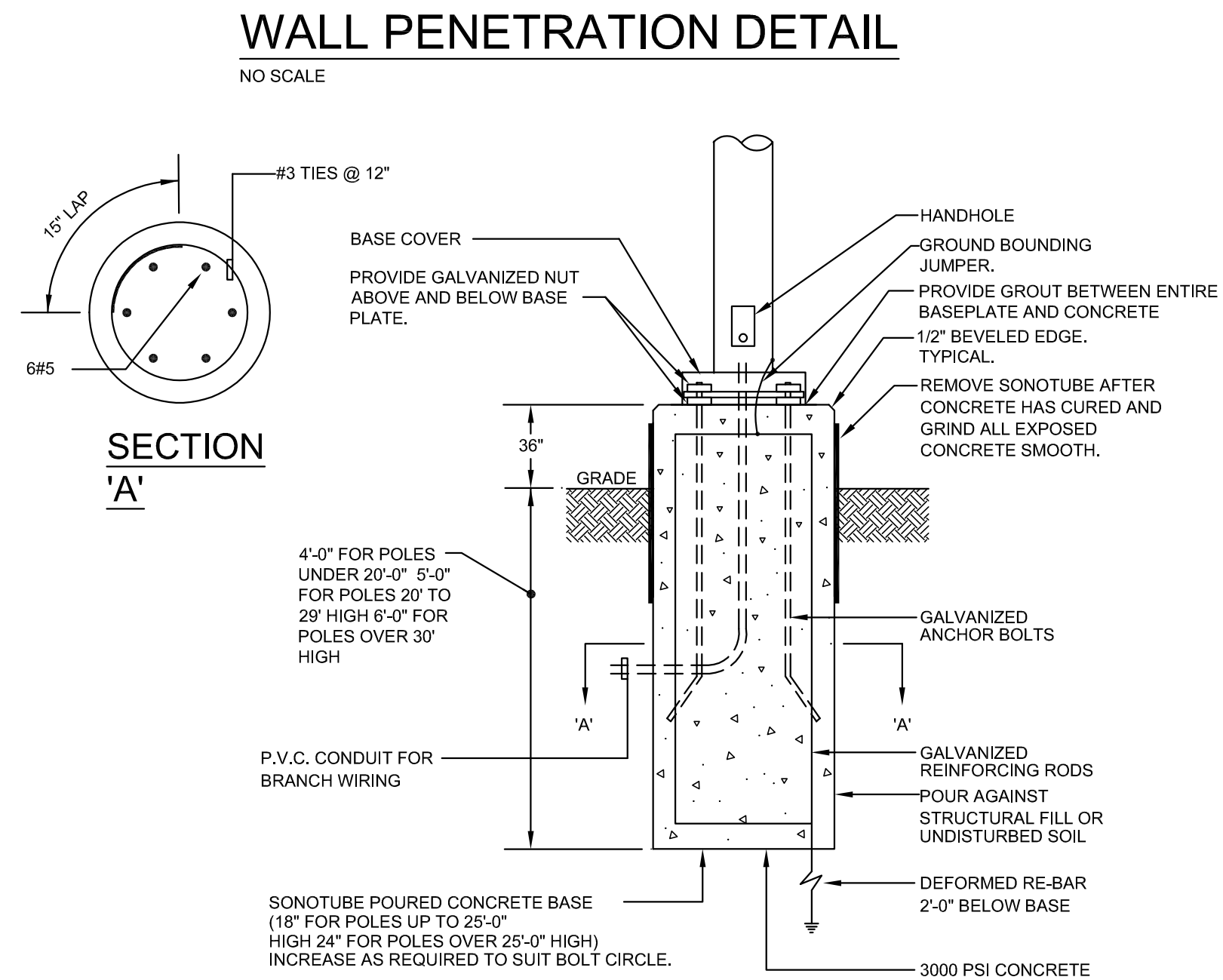
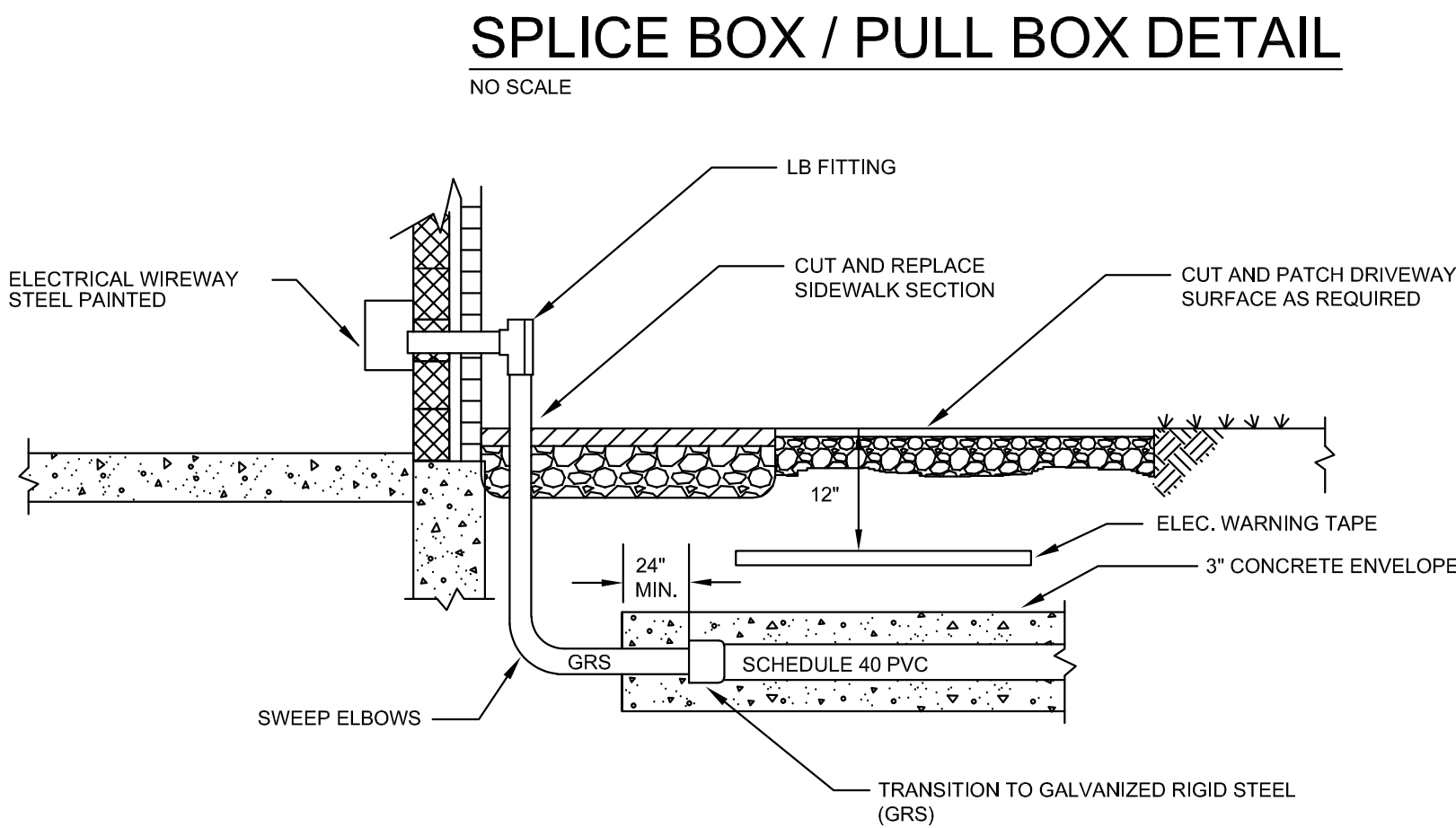
ELECTRICAL LEGEND	
NOTE: NOT ALL DEVICES SHOWN ON THE LEGEND ARE USED ON THIS PROJECT	
	FLUORESCENT LIGHT FIXTURE (UPPER CASE LETTER DENOTES TYPE, LOWER CASE LETTER DENOTES SWITCHING GROUP)
	LIGHT FIXTURE WITH EMERGENCY LAMP SOCKET
	INCANDESCENT, FLUORESCENT OR H.I.D. LIGHT FIXTURE
	NORMAL-EMERGENCY FIXTURE
	EMERGENCY ONLY FIXTURE
	WALL SCONCE
	POLE-MOUNTED SITE LIGHT
	DIMMER SWITCH
	3-WAY SWITCH
	4-WAY SWITCH
	FAN SWITCH
	KEY SWITCH
	LOW VOLTAGE SWITCH
	OVERRIDE SWITCH
	MOMENTARY SWITCH, UP, DOWN, SPRING RETURN TO CENTER OFF
	SWITCH WITH PILOT LIGHT
	TIMED TO OFF SWITCH
	BODINE LIGHTING CONTROL RELAY
	DUPLEX CONVENIENCE OUTLET (CT DENOTES COUNTERTOP HEIGHT)
	DUPLEX OUTLET SUSPENDED FROM DROP CORD
	DUPLEX ISOLATED GROUND OUTLET
	DOUBLE DUPLEX (QUADRUPLEX) OUTLET
	QUADRUPLEX ISOLATED GROUND OUTLET
	SPECIAL PURPOSE OUTLET
	RANGE OUTLET, 50AMP 3 WIRE
	TELEPHONE OUTLET (POTS LINE)
	PAY TELEPHONE OUTLET
	INTERCOM CALL CONTROL, CONSOLE TELEPHONE SYSTEM OUTLET
	INTERCOM ADMINISTRATION DISPLAY TELEPHONE SYSTEM OUTLET
	INTERCOM ADMINISTRATION DESK TELEPHONE SYSTEM OUTLET
	INTERCOM STAFF TELEPHONE SYSTEM OUTLET
	WALL-MOUNTED INTERCOM STAFF TELEPHONE SYSTEM OUTLET
	COMPUTER OUTLET (NUMBER DENOTES NUMBER OF JACKS, WHERE NO NUMBER IS SHOWN, PROVIDE TWO JACKS MINIMUM)
	WIRELESS ACCESS POINT - PROVIDE TWO DATA DROPS IN CEILING OR ON WALL FOR EACH LOCATION INDICATED. FIELD COORDINATE TERMINATION/ PLATE TYPE WITH OWNER PROVIDED DEVICE REQUIREMENTS.
	CAMERA DATA JACK ABOVE THE CEILING. PROVIDE SINGLE DATA JACK FOR EACH LOCATION INDICATED.
	SMARTBOARD USB JACK
	FIBER CONNECTION
	FLATSREEN OR PROJECTOR INPUT JACK
	TELEVISION CABLE OUTLET
	BLANK PLATE
	SMARTBOARD
	PROJECTOR PLATE
	FLOOR OUTLET - DUPLEX RECEPTACLE, TELEPHONE AND COMPUTER JACK
	MOTOR
	DISCONNECT SWITCH (FUSED OR NON-FUSED AS INDICATED ON DRAWING)
	FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER/DISCONNECT
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH
	MOTOR STARTER
	FRACTIONAL MOTOR STARTER
	POWER POLE
	JUNCTION BOX
	PUSHBUTTON
	START/STOP STATION
	OVERHEAD DOOR OPERATOR (UP, DOWN AND STOP)
	WIRING CONCEALED ABOVE CEILING OR IN WALL. CROSS LINES INDICATE NUMBER OF #12 A.W.G. WIRES IN A 3/4\"/>
	WIRING CONCEALED BELOW GRADE OR FLOOR
	CIRCUIT HOME RUN WITH CIRCUIT NUMBER INDICATED
	NORMAL-EMERGENCY OR EMERGENCY ONLY BRANCH CIRCUIT WIRING
	PLUGMOLD

APPLICABLE CODES (NJ)	
LISTED BELOW ARE THE CURRENT ADOPTED CODES UNDER THE NEW JERSEY STATE UNIFORM CONSTRUCTION CODE (U.C.C.):	
INTERNATIONAL BUILDING CODE-NEW JERSEY EDITION	2021
INTERNATIONAL MECHANICAL CODE	2019
ASHRAE 90.1	2019
THE NATIONAL ELECTRICAL CODE	2020
THE NATIONAL STANDARD PLUMBING CODE	2021
INTERNATIONAL FUEL GAS SUBCODE	2021
BARRIER FREE SUBCODE (ICC/ANSI A117.1)	2017
NJ REHABILITATION SUBCODE	NJAC 5:23-6
NJ BARRIER FREE SUBCODE	NJAC 5:23-7
ANY WORK WHICH DEVIATES FROM SUCH STANDARDS SHALL BE RECTIFIED TO THE SATISFACTION OF THE GOVERNING AUTHORITY. THE REQUIREMENTS OF GOVERNING AUTHORITIES SHALL SUPERSEDE THE DRAWINGS AND SPECIFICATIONS IN ALL CASES. THE ENGINEER SHALL BE NOTIFIED BY WRITTEN CHANGE ORDERS BEFORE SUCH WORK IS STARTED. NON-FAMILIARITY WITH GOVERNING RULES AND REGULATIONS SHALL NOT BE CAUSE FOR AN EXTRA CHARGE IN THE EVENT THAT WORK MUST BE REPLACED FOR NONCOMPLIANCE.	

	EXIT SIGN
	EMERGENCY BATTERY UNIT
	REMOTE HEAD
	DOUBLE REMOTE HEAD
	FIRE ALARM PULL STATION
	FIRE ALARM AUDIO/VISUAL-HORN ALARM DEVICE # INDICATES CANDELA RATING, WHERE NO NUMBER IS INDICATED, PROVIDE DEVICE WITH 15 CANDELA RATING.
	FIRE ALARM BELL
	SMOKE DETECTOR
	HEAT DETECTOR
	DUCT SMOKE DETECTOR
	SPRINKLER SYSTEM FLOW SWITCH (BY OTHERS)
	SPRINKLER SYSTEM TAMPER SWITCH (BY OTHERS)
	SPRINKLER SYSTEM PRESSURE SWITCH (BY OTHERS)
	RESCUE ASSISTANCE REMOTE CALL STATION
	RESCUE ASSISTANCE MASTER STATION/ANNUNCIATOR PANEL
	SPRINKLER SYSTEM ELECTRIC MOTOR GONG
	DOORBELL
	MAGNETIC DOOR HOLD-OPEN DEVICE - FIRE ALARM SYSTEM
	INDIVIDUAL ADDRESSABLE MODULE - FIRE ALARM SYSTEM
	ZONE ADDRESSABLE MODULE - FIRE ALARM SYSTEM
	CONTROL RELAY ZONE ADDRESSABLE MODULE - FIA SYSTEM
	REQUEST-TO-EXIT DETECTOR
	CLOCK, SPEAKER UNIT
	WALL MOUNTED CLOCK
	DOUBLE FACE CLOCK
	CORD REEL WITH 20A 120V OUTLET
	EXISTING DEVICES TO REMAIN
	MICROPHONE JACK - SOUND SYSTEM
	PROJECTOR INPUT JACK - SOUND SYSTEM
	PUBLIC ADDRESS/INTERCOM SPEAKER (FLUSH, CEILING-MOUNTED)
	PUBLIC ADDRESS/INTERCOM SPEAKER (SURFACE, CEILING-MOUNTED)
	PUBLIC ADDRESS/INTERCOM SPEAKER (SURFACE, WALL-MOUNTED)
	PUBLIC ADDRESS/INTERCOM SPEAKER (FLUSH, WALL-MOUNTED)
	PUBLIC ADDRESS/INTERCOM VOLUME CONTROL
	OCCUPANCY SENSOR CONTROL POWER PACK
	OCCUPANCY SENSOR (CEILING-MOUNTED)
	DAYLIGHT SENSOR (CEILING-MOUNTED)
	OCCUPANCY SENSOR (WALL-MOUNTED)
	DUAL-TECH OCCUPANCY SENSOR (CORNER-MOUNTED)
	CORRIDOR OCCUPANCY SENSOR
	ULTRASONIC 360° OCCUPANCY SENSOR (CEILING-MOUNTED)
	MOTION DETECTOR - SECURITY SYSTEM
	CEILING MOUNTED, 360° MOTION DETECTOR
	SECURITY CAMERA
	DOOR MAGNET CONTACT - SECURITY SYSTEM
	MAGNETIC LOCK
	ALARM HORN - SECURITY SYSTEM
	ELECTRIC DOOR STRIKE
	CARD READER
	KEY PAD
	RESET KEYSWITCH STATION
	PUSH PLATE
	EMERGENCY OFF PUSH-BUTTON
	GAS SOLENOID VALVE
	NURSE CALL STATION
	EMERGENCY CALL STATION
	NURSE CALL DOME LIGHT
	TRANSFORMER



- NOTES:
1. PROVIDE HANDHOLE ENCLOSURE, SIZES BASED ON NEC ARTICLE 314.30.
 2. ALL HANDHOLES SHALL BE RATED AND HAVE COVERS RATED FOR UL TIER 10 IN LOCATIONS SUBJECT TO VEHICULAR TRAFFIC, DELIBERATE OR INCIDENTAL PARKING, ROADWAY, DRIVES, SIDEWALKS WIDER THAN 5'-0", AND ALL LOCATIONS WITHIN 10'-0" OF THESE AREAS)
 3. PROVIDE UL LISTED WET LOCATION SPLICE KITS FOR ALL SPLICES.



GENERAL ELECTRICAL DEMOLITION NOTES	
1.	IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING ELECTRICAL EQUIPMENT AND SYSTEMS THAT ARE NOT TO BE REUSED BE DISCONNECTED AND REMOVED IN THEIR ENTIRETY. ALL FIXTURES, DEVICES, AND EQUIPMENT THAT ARE NO LONGER REQUIRED, WHETHER INDICATED ON THESE DRAWINGS OR NOT, SHALL BE REMOVED UNLESS NOTED OTHERWISE.
2.	REMOVE ALL EXISTING WORK NECESSARY TO ACCOMMODATE ALL NEW WORK. REFER TO ALL OTHER DRAWINGS AND SPECIFICATIONS AND PHYSICALLY INSPECT THE EXISTING CONDITIONS TO ASCERTAIN THE MAGNITUDE OF THE WORK REQUIRED. EXISTING WORK WHICH IS TO REMAIN IN SERVICE, BUT WHICH INTERFERES WITH THE NEW WORK, SHALL BE RELOCATED AND RECONNECTED USING MATERIALS AND STANDARDS OF THIS SPECIFICATION.
3.	REMOVE ALL EXPOSED CONDUIT, HANGERS, EQUIPMENT, FIXTURES, MATERIAL, ETC. NO LONGER REQUIRED TO REMAIN IN SERVICE TO A POINT BEYOND FINISHED WALLS, FLOORS AND CEILINGS. CAP OR PLUG AS REQUIRED TO MAKE A SAFE AND OPERABLE REMAINING SYSTEM. CLOSE AND RESTORE ALL WALL, FLOOR AND CEILING OPENINGS CREATED BY REMOVALS. RESTORATION SHALL BE SUITABLE FOR APPLICATION OF ARCHITECTURAL FINISHES TO MATCH EXISTING CONDITIONS. REMOVE CABLES AND WIRES THAT ARE NO LONGER ACTIVE.
4.	IN THE EVENT ANY ITEM OR SYSTEM TO BE REMOVED OR RELOCATED, AS INDICATED ON THE DRAWINGS OR AS NECESSITATED BY ALTERATION OR NEW CONSTRUCTION IS IN ACTIVE USE, PROVIDE TEMPORARY FACILITIES AS REQUIRED TO MAINTAIN SUCH USE UNTIL THE PERMANENT INSTALLATION IS COMPLETED.
5.	PROVIDE FOR REROUTING WORK IN EXISTING WALLS, FLOORS AND CEILINGS WHICH WILL BE DISTURBED OR WHICH WILL REQUIRE RELOCATION TO ACCOMMODATE THE NEW WORK OR ALTERATION.
6.	ELECTRICAL DEMOLITION AND NEW WORK SHALL BE COORDINATED WITH ARCHITECTURAL AND SITE/CIVIL DEMOLITION DRAWINGS AND NOTES.
7.	INFORMATION SHOWN IS BASED ON A SURVEY OF EXISTING BUILDING CONDITIONS. WHILE ALL ATTEMPTS AT ACCURACY HAVE BEEN TAKEN, NO GUARANTEE OF AN EXACT REPRESENTATION OR COMPLETENESS IS IMPLIED. RESPONSIBILITY FOR FINAL VERIFICATION FALLS TO THE CONTRACTOR. ANY UNRESOLVED DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
8.	THE CONTRACTOR SHALL VERIFY VOLTAGE, NUMBER OF PHASES, AND WIRING ON ALL EQUIPMENT BEING RELOCATED OR REMOVED FOR RELOCATION.
9.	THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE TURNOVER OF ELECTRICAL EQUIPMENT AND MATERIAL BEFORE DEMOLITION IN ALL SPACES SHOWN. ALL UNUSED MATERIALS AND EQUIPMENT ARE THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. OWNER RESERVES THE RIGHT TO RETAIN ANY MATERIAL, WHICH SHALL BE STORED AT HIS DISCRETION. ALL OTHER MATERIALS AND EQUIPMENT SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
10.	ELECTRICAL WORK SHALL INCLUDE ALL REQUIRED CUTTING, PATCHING AND THE FULL RESTORATION OF WALL AND FLOOR STRUCTURE AND SURFACES. ALL EQUIPMENT, WALLS, FLOORS, ETC., DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER, AT THE CONTRACTOR'S EXPENSE.
11.	ALL SYSTEMS TO REMAIN THAT ARE DAMAGED DURING DEMOLITION PHASE OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. PROTECT ALL EXISTING WORK TO REMAIN IN AREAS WHERE CONSTRUCTION/DEMOLITION ACTIVITIES TAKE PLACE. SPECIAL PROTECTION SHALL BE PROVIDED FOR ALL WORK SENSITIVE TO DUST, INCLUDING BUT NOT LIMITED TO FIRE ALARM DEVICES.
12.	MAINTAIN SYSTEMS PASSING THROUGH THE CONSTRUCTION SITE THAT ARE SERVING EXISTING FACILITIES THROUGHOUT PHASED CONSTRUCTION.

ELECTRICAL GENERAL NOTES	
1.	UNLESS OTHERWISE INDICATED, WIRE SIZES SHALL BE AS FOLLOWS: 20A #12, 30A #10, 40A #8, 50A #6, 70A #4, 100A #1.
2.	DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE, CONDITIONS, AND CLEARANCES.
3.	SECURE ALL SUPPORTS TO BUILDING STRUCTURE AS SPECIFIED UNDER RACEWAYS. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FEET APART. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
4.	PASS RACEWAYS OVER WATER, STEAM, OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY SHALL BE WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES, OR APPLIANCES. EXCEPT CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1 INCH FROM PIPE COVER.
5.	CUT CONDUIT ENDS SQUARE, REAM SMOOTH. PAINT MALE THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAYS COUPLINGS.
6.	HORIZONTAL OR CROSS RUNS IN PARTITIONS AND WALLS NOT PERMITTED. DO NOT RUN CONDUIT IN PRECAST ROOF SLABS, IN 2 INCH SLAB, OR IN TERRAZZO FLOOR FINISH.
7.	LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTION. IN RACEWAYS OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED, FURNISH FISH WIRE.
8.	PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 DEG. F (0 DEG. C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.
9.	SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.
10.	LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS.
11.	JUNCTION AND PULL BOXES: LOCATE GENERALLY NOT EXPOSED IN FINISHED SPACES. WHERE NECESSARY, RE-ROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE.
12.	SUPPORT PANEL, JUNCTION, AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE.
13.	GROUND ALL ELECTRIC WORK IN ACCORDANCE WITH THE ELECTRICAL GROUNDING REQUIREMENTS OF NEC AND NJUCC.
14.	PROVIDE SEPARATE GROUNDING CONDUCTOR FOR EACH NEW FEEDER AND BRANCH CIRCUIT.
15.	ALL FEEDERS SHALL BE PROVIDED BASED ON FEEDER CIRCUIT BREAKER TRIP RATING, PER NEC UNLESS NOTED OTHERWISE. EACH CONDUIT SHALL INCLUDE FULL SIZE NEUTRAL AND GROUNDING CABLE.
16.	ALLOWABLE AMPACITY OF CONDUCTORS INSTALLED IN INTERIOR AND BELOW GRADE LOCATIONS SHALL BE THOSE INDICATED IN THE 1077 (75°C) COLUMN OF TABLE 310.16 OF THE NATIONAL ELECTRICAL CODE (NEC 70).
17.	CONTRACTOR SHALL PROVIDE QUANTITY AND TYPE OF PULL BOXES/JUNCTION BOXES AS REQUIRED BY NEC AND MANUFACTURER'S CABLE PULLING REQUIREMENTS FOR PULLING AND/OR UTILITY COMPANY TENSIONS AND SIDEWALL PRESSURES.
18.	THE ELECTRICAL CONTRACTOR SHALL TRACE AFFECTED SWITCHBOARD AND PANELBOARD BRANCH CIRCUITS IN CONTRACT AREAS TO DETERMINE WIRING CONFIGURATION OF AFFECTED AND SURROUNDING AREAS. ELECTRICAL CONTRACTOR SHALL DOCUMENT EXISTING CONDITIONS TO AID IN REWIRING CONTRACT AREAS IN COMPLIANCE WITH ENGINEERING DOCUMENTS, LOCAL CODES, AND ORDINANCES. PROVIDE FINISHES IN REPORT FORM WITH MARKED UP DRAWINGS TO THE ENGINEER AS SOON AS COMPLETED. PROVIDE ELECTRICAL POWER RISER DIAGRAM SHOWING ALL EXISTING SWITCHBOARDS, PANELBOARDS AND LOAD CENTERS AND ASSOCIATED FEEDERS. NO WORK SHALL BEGIN UNTIL THIS STEP IS COMPLETED.
19.	THE ELECTRICAL CONTRACTOR SHALL MEASURE THE STEADY STATE LOAD CURRENT AT EACH AFFECTED SWITCHBOARD AND PANELBOARD FEEDER AND DOCUMENT PRE-CONSTRUCTION VALUES FOR EXISTING LIGHTING AND MECHANICAL LOADS TO UNDERSTAND AVAILABILITY OF ADDITIONAL PANELBOARD LOADING WITHIN THE CONSTRAINTS OF THE STATE BUILDING AND ELECTRICAL CODES. PROVIDE FINISHES IN REPORT FORM WITH MARKED UP DRAWINGS, TO THE ENGINEER AS SOON AS COMPLETED, NO REWIRING SHALL BEGIN UNTIL THIS STEP IS COMPLETED.
20.	AT COMPLETION OF ALL BRANCH WIRING DESCRIBED ON CONTRACT DOCUMENTS, ELECTRICAL CONTRACTOR SHALL COMPILE A LIST OF EXISTING AND NEW CIRCUITS TO PROVIDE A FULL PANEL SCHEDULE DIRECTORY WITH DEVICE NAME, LIGHTING, RECEPTACLES, EQUIPMENT, ETC.) AND EQUIPMENT BEING SERVED. LABEL ALL CIRCUIT BREAKERS NOT BEING USED AS SPARE AND REMOVE UNUSED CONDUCTORS FROM PANELBOARD AND CONDUITS.

POWER WIRE/CABLE INSTALLATION SCHEDULE				
SERVICE	TYPE	LOCATION	RACEWAY	FITTINGS
FEEDERS FOR DISTRIBUTION EQUIPMENT	ALL	ABOVE GRADE	ELECTRICAL METALLIC TUBING	STEEL COMPRESSION
FEEDERS FOR DISTRIBUTION EQUIPMENT	ALL	BELOW GRADE	RIGID GALVANIZED STEEL	GALVANIZED RIGID STEEL COUPLINGS
FEEDERS FOR MOTORS	5 HP AND ABOVE	ABOVE GRADE	ELECTRICAL METALLIC TUBING	STEEL COMPRESSION
FEEDERS FOR MOTORS	5 HP AND ABOVE	BELOW GRADE	RIGID GALVANIZED STEEL	GALVANIZED RIGID STEEL COUPLINGS
FEEDERS FOR MOTORS	3 HP AND BELOW	ABOVE GRADE	ELECTRICAL METALLIC TUBING	STEEL COMPRESSION
FEEDERS FOR MOTORS	3 HP AND BELOW	BELOW GRADE	RIGID GALVANIZED STEEL	GALVANIZED RIGID STEEL COUPLINGS
BRANCH CIRCUITS	ALL	ABOVE GRADE UNFINISHED AREAS	ELECTRICAL METALLIC TUBING	STEEL COMPRESSION
BRANCH CIRCUITS	ALL	BELOW GRADE	ELECTRICAL METALLIC TUBING	RAINTIGHT STEEL COMPRESSION
BRANCH CIRCUITS	ALL	MASONRY WALLS ABOVE GRADE FINISHED AREAS	SURFACE METAL RACEWAY	SURFACE METAL RACEWAY
BRANCH CIRCUITS	ALL	STUD WALLS ABOVE GRADE FINISHED AREAS	METAL CLAD CABLE	METAL CLAD CABLE
BRANCH CIRCUITS	ALL	PLENUM CEILINGS	ELECTRICAL METALLIC TUBING	STEEL COMPRESSION
BRANCH CIRCUITS	ALL	NON-PLENUM CEILINGS	METAL CLAD CABLE	METAL CLAD CABLE

- NOTES:
1. PROVIDE RACEWAY TYPES AS SHOWN ON PLANS AND DETAILS WHERE IN CONFLICT WITH THIS SCHEDULE AND/OR SPECIFICATIONS.
 2. ALL RACEWAYS/CABLEWIRE SHALL BE INSTALLED CONCEALED EXCEPT IN UNFINISHED AREA SUCH AS MECHANICAL ROOMS, MDPS AND IDPS.
 3. USE MATCHING MATERIALS FOR THOSE EXISTING RACEWAYS THAT ARE TO BE EXTENDED/ MODIFIED UNLESS NOTED OTHERWISE.

CODE REVIEW:

spiezie

SPEZLE ARCHITECTURAL GROUP INC.
1395 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 609-695-7400

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SPEZLE ARCHITECTURAL GROUP, INC.
STEVEN LANGRAN, PE

21A005640
21A007440
21A011700
21A009420
21A009430
21A007430
21A007430
21A007430
21A007430

SEAL:

CONSULTANTS:

PROJECT:
PARKING LOT EXPANSION
AT EISENHOWER
ELEMENTARY SCHOOL
601 ERNSTON ROAD
PARLIN, NJ 08859

FOR

SAYREVILLE PUBLIC
SCHOOLS
298 ERNSTON ROAD, PARLIN, NJ 08859

FOR CODE REVIEW:

REVISIONS:
REVISION NAME DATE

FOR BID:

DRAWING TITLE:
ELECTRICAL
COVER SHEET

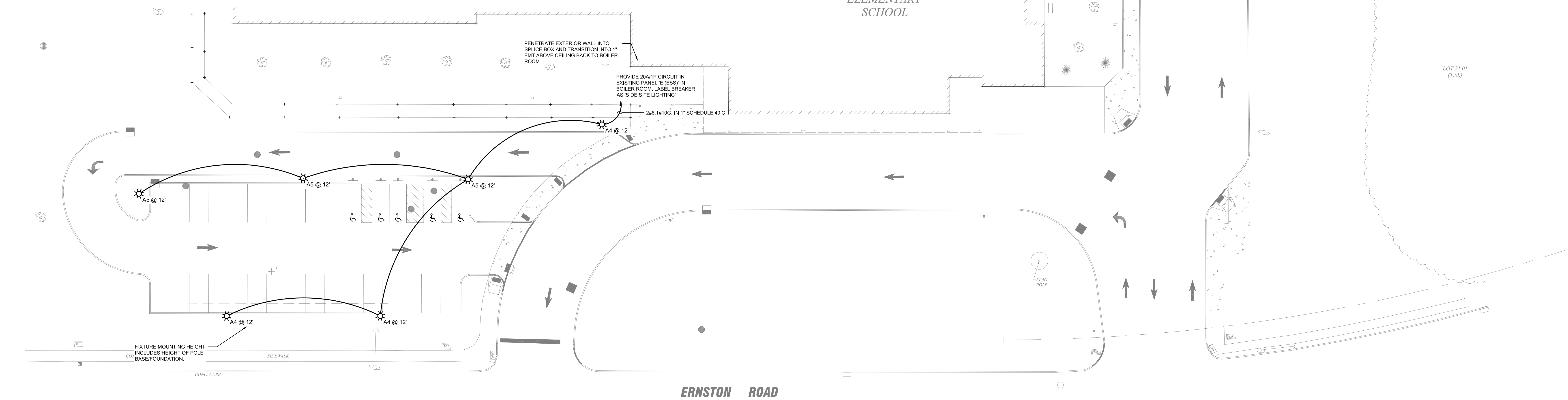
COMMISSION NUMBER:
25K011

DO NOT SCALE THE DRAWINGS
DRAWING NUMBER:
SE0.0

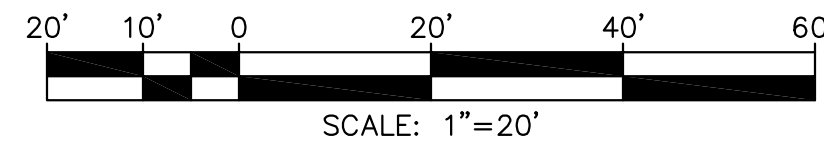
ELECTRICAL GENERAL NOTES

1. CONTRACTOR SHALL USE ONLY THOSE WIRING METHODS ALLOWED IN THE SPECIFICATIONS.
2. PROVIDE ALL GROUNDING & BONDING REQUIREMENTS PER THE NATIONAL ELECTRICAL CODE.
3. ROUTING OF UNDERGROUND CONDUIT ON THIS PLAN IS PURELY DIAGRAMMATIC. ACTUAL ROUTING OF FEEDERS IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY. CONTRACTOR TO CONFORM TO THE CONSTRAINTS OF THE SITE AND OTHER NEW/EXISTING UNDERGROUND UTILITIES IN OR NEAR THE VICINITY OF THE NEW UNDERGROUND ELECTRICAL SERVICE.
4. CAP, MARK, SEAL AND IDENTIFY ALL SPARE CONDUITS FOR FUTURE USE.
5. FIELD VERIFY ALL OTHER UTILITY LOCATIONS BEFORE WORK IS BEGUN AND MAKE CHANGES AS NEEDED TO RENDER EXISTING UTILITY SYSTEMS OPERABLE AT ALL TIMES.
6. A MAXIMUM OF 3 CIRCUITS SHALL BE RUN IN ONE CONDUIT. CIRCUITS MUST BE ON SEPARATE PHASES. CIRCUITS SHALL NOT SHARE A COMMON NEUTRAL.
7. MINIMUM WIRE SIZE SHALL BE #12AWG. MINIMUM CONDUIT SIZE SHALL BE 3/4".
8. CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.
9. PROVIDE ALL GROUNDING & BONDING REQUIREMENTS PER THE NATIONAL ELECTRICAL CODE.
10. PROVIDE CONDUIT, WIRING AND CONNECTIONS AS REQUIRED BY EQUIPMENT MANUFACTURER.
11. PERFORM ONE CALL PRIOR TO ANY EXCAVATION.

LIGHT FIXTURE SCHEDULE									
Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Lumens Per Lamp	Voltage	Wattage
	A4	3	LSI INDUSTRIES, INC.	MRM-LED-09L-SIL-4-UNV-DIM-35-80CRI-BLK-IL	LED ARM MOUNT AREA LIGHT, TYPE 4 SILICONE OPTICS	LED 3000K	6146	UNV	62
	A5	3	LSI INDUSTRIES, INC.	MRM-LED-09L-SIL-5W-UNV-DIM-35-80CRI-BLK	LED ARM MOUNT AREA LIGHT, TYPE 5 SILICONE OPTICS	LED 3000K	9506	UNV	62
NOTES:									
1. UL LABELED									
2. ELECTRONIC DRIVER									
3. LOW TEMP. I/F DRIVER									
4. WET LOCATION LISTED									
5. FINISH AS SELECTED BY ARCHITECT									
6. PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL CONTROL FOR DUSK TO DAWN OPERATION.									



ELECTRICAL SITE PLAN - LIGHTING



CODE REVIEW:



SPIEZLE ARCHITECTURAL GROUP INC.
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SEAL:

CONSULTANTS:

BID ISSUE - 5/12/25

PROJECT:
PARKING LOT EXPANSION
AT EISENHOWER
ELEMENTARY SCHOOL
601 ERNSTON ROAD
PARLIN, NJ 08859
FOR
SAYREVILLE PUBLIC
SCHOOLS
298 ERNSTON ROAD, PARLIN, NJ 08859

FOR CODE REVIEW:

REVISION	DATE
NAME	

FOR BID: MAY 12, 2025

DRAWING
TITLE:
ELECTRICAL SITE PLAN

COMMISSION
NUMBER:

25K011

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

SE1.0