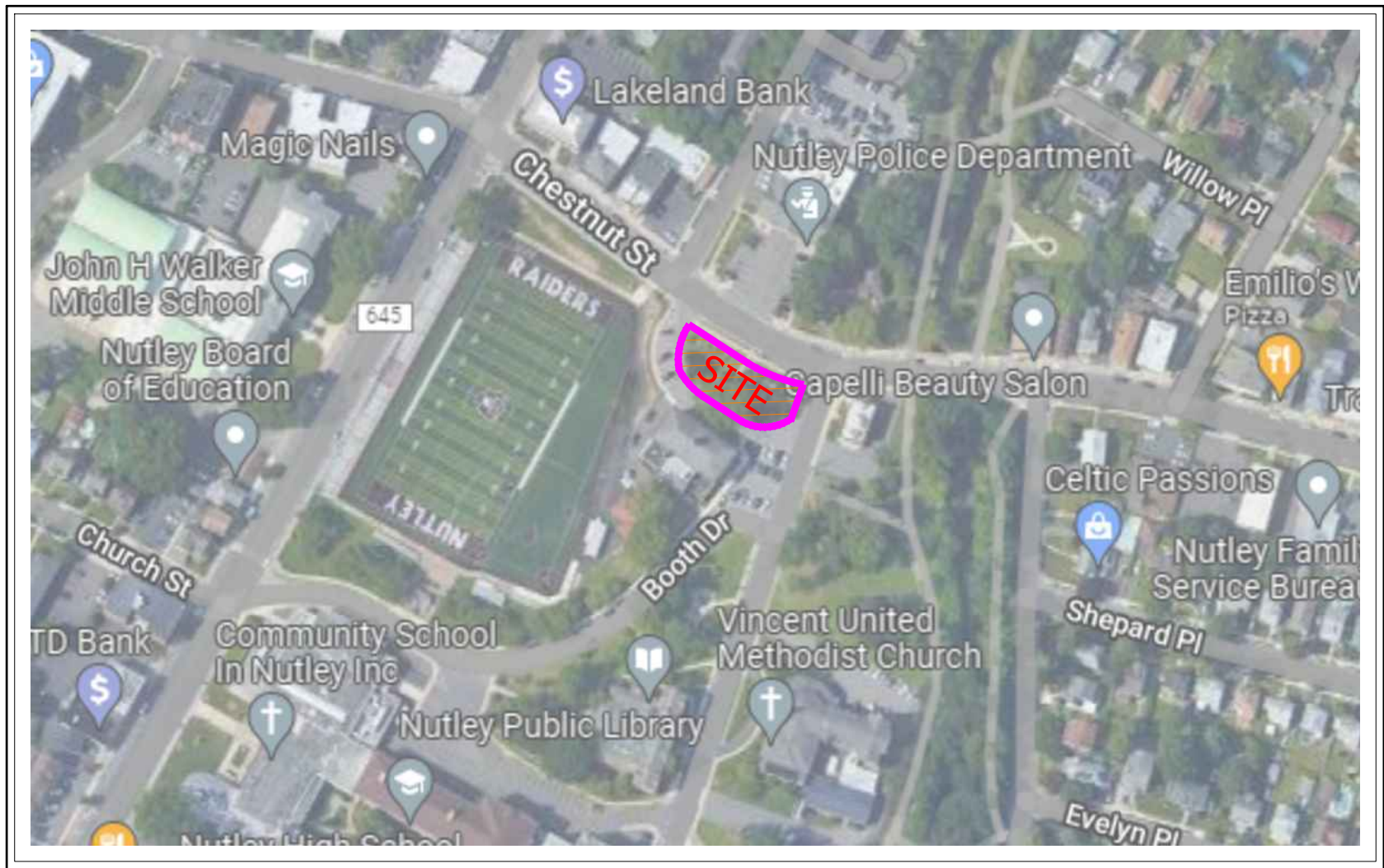


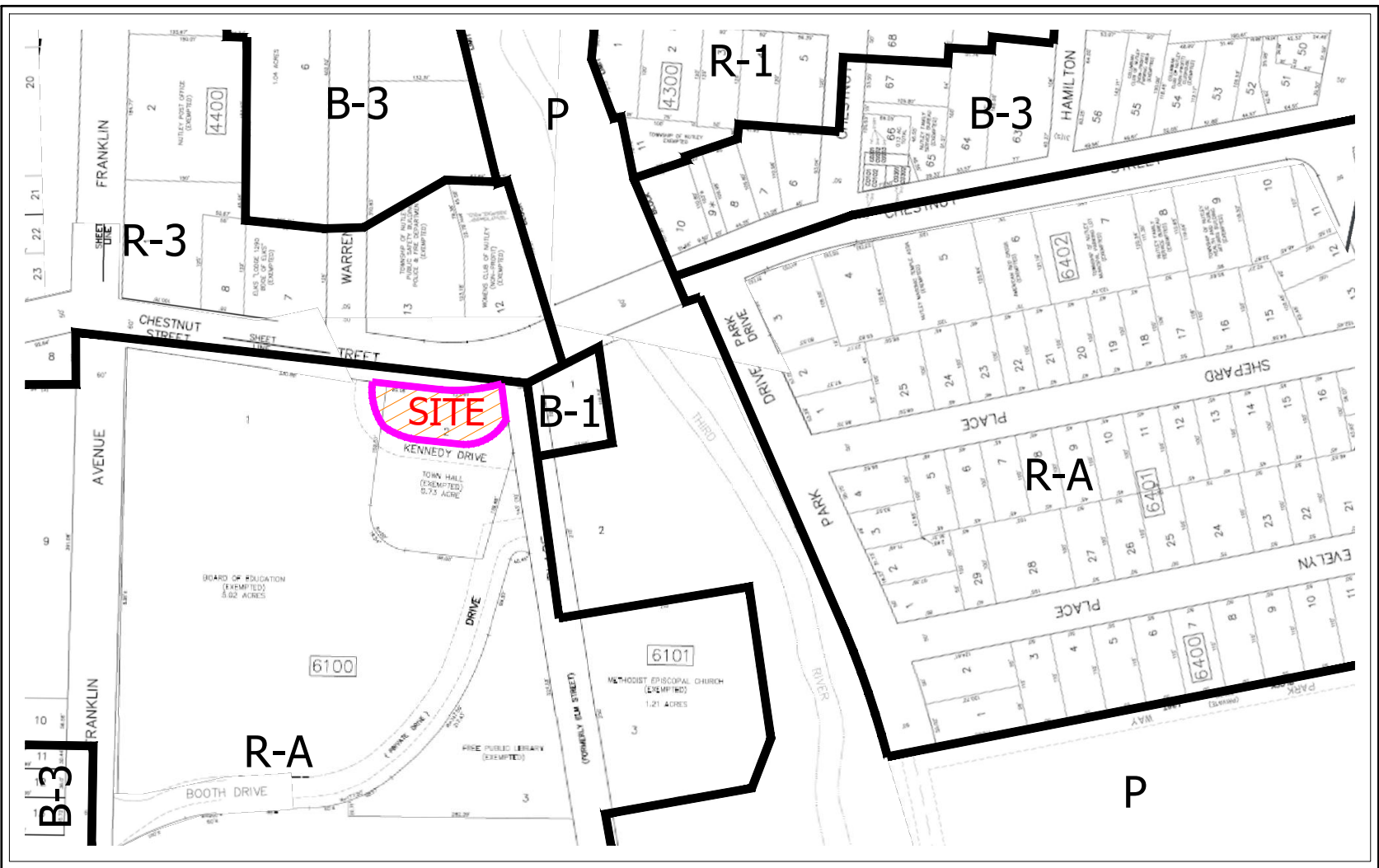
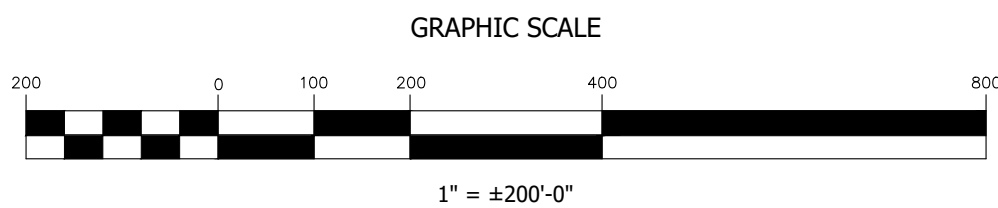


PROPOSED IMPROVEMENTS TO THE MUNICIPAL PLAZA

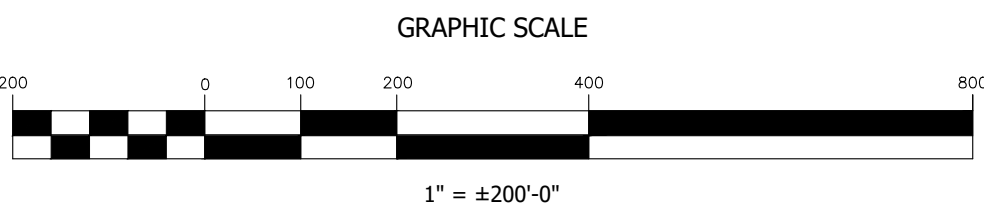
1 KENNEDY DRIVE
TOWNSHIP OF NUTLEY, ESSEX COUNTY, NEW JERSEY
BLOCK: 6100, LOT: 2, TAX MAP: 61
ZONE: R-1



KEY MAP



TAX & ZONING MAP



DRAWING No.:	DRAWING TITLE:
C-01	COVER SHEET
C-02	EXISTING CONDITIONS & DEMOLITION PLAN
C-03	SITE PLAN
C-04	GRADING, DRAINAGE & UTILITY PLAN
C-05	LANDSCAPING PLAN
C-06	LIGHTING PLAN
C-07	SOIL EROSION & SEDIMENT CONTROL PLAN
C-08	DETAILS - 1
C-09	DETAILS - 2
C-10	DETAILS - 3
C-11	DETAILS - 4
S-1	STRUCTURAL DETAILS

KEY PLAN (NTS)

NUTLEY MUNICIPAL PLAZA

1 KENNEDY DRIVE
NUTLEY, NJ 07110

CIVIL ENGINEERING

L2A LAND DESIGN / LLC

66 GRAND AVENUE, 2ND FLOOR
ENGLEWOOD, NJ 07631
Tel: (201) 227-0300
Email: xxx@xxxxxxxxxxxxxxx

L2A PROJECT No. 2201.152

Michael E. Dipple, P.E.
NJ License #24GE04081200

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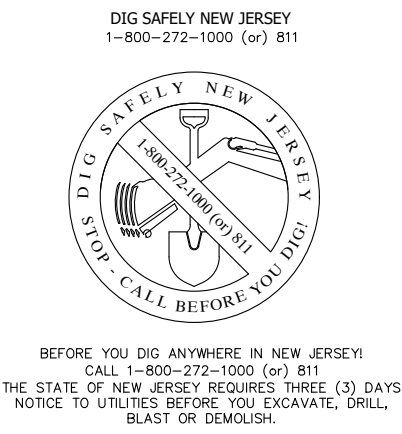
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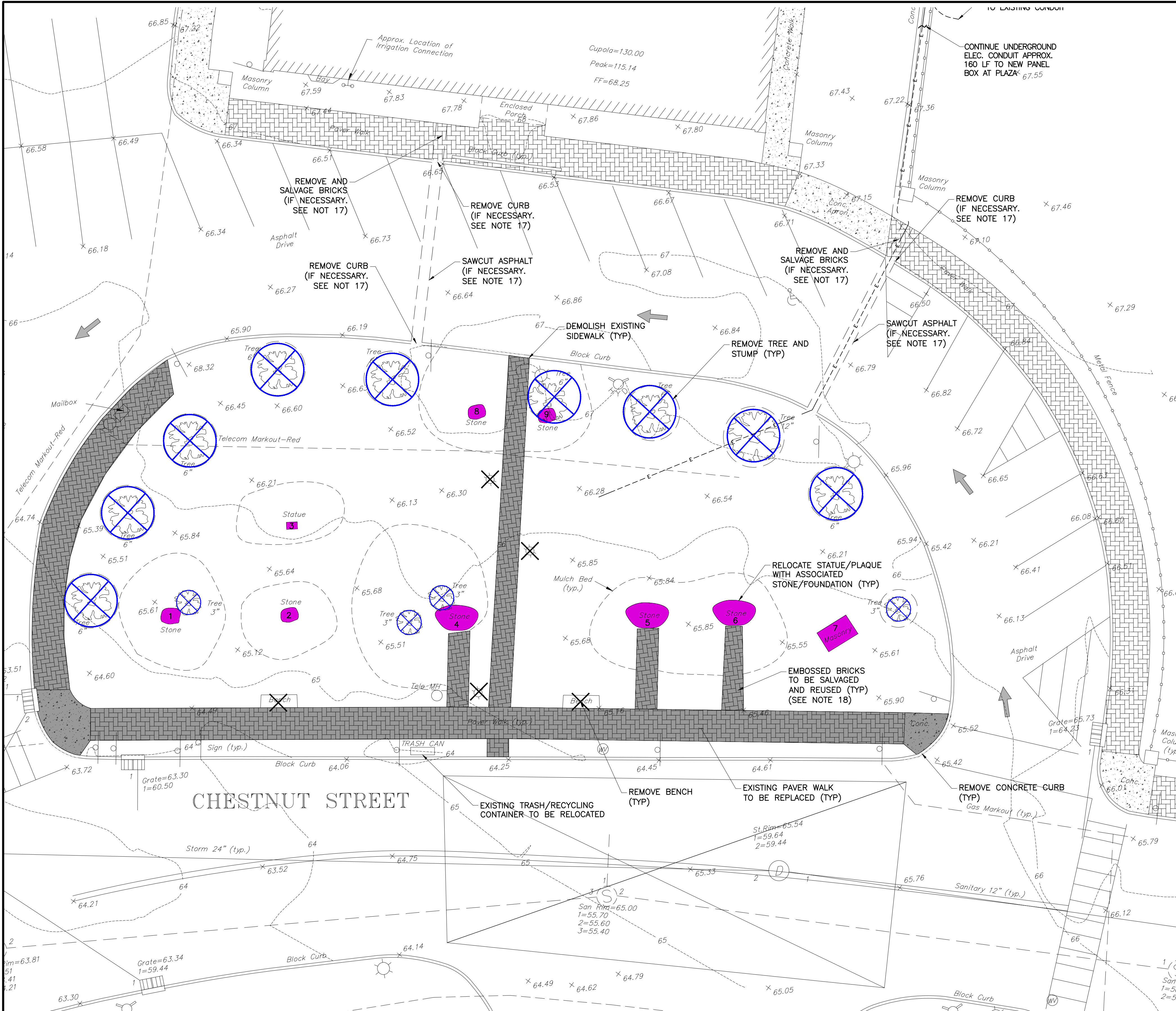
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PROJECT NO.	SHEET NO.
5175	C-01

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- DEMOLITION AND REMOVAL NOTES:**
- ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
 - WHEREVER ASPHALT OR CONCRETE PAVEMENT IS REMOVED, THE CONTRACTOR SHALL SAW-CUT AND NEATLY TRIM THE EDGE OF REMAINING PAVEMENTS BEFORE INSTALLING NEW CONSTRUCTION. ASPHALT PAVEMENT SHALL BE REMOVED TO THE SUBGRADE.
 - WHERE REMOVAL OF CONCRETE CURB IS SHOWN ON THE CONTRACT DRAWINGS, THE REMOVAL LIMITS SHALL BE TO THE NEAREST CURB JOINTS.
 - DEMOLITION USING EXPLOSIVE, INCENDIARY, OR WRECKING BALL METHODS IS PROHIBITED.
 - CONDUCT DEMOLITION/REMOVAL OPERATIONS AND DISPOSAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH THE USE OF, OR ACCESS TO, ADJACENT BUILDINGS OR CONSTRUCTION SITE AREA. DO NOT UNNECESSARILY OBSTRUCT SIDEWALKS OR STREETS.
 - PROVIDE TEMPORARY INTERIOR SHORING, BRACING AND/OR SUPPORT AS REQUIRED ENSURING THAT MOVEMENT OR SETTLEMENT OF STRUCTURES TO BE DEMOLISHED IS SAFELY CONTROLLED AND COLLAPSE IS PREVENTED.
 - USE WATER SPRINKLING, ENCLOSED CHUTES, AND/OR TEMPORARY ENCLOSURES TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR. PROVIDE A WATER TRUCK, WATER LINE, AND HOSES FOR THIS PURPOSE. DO NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS ICING OR FLOODING.
 - DO NOT DISTURB SERVICE TO OFF-SITE FIRE HYDRANTS IN ANY WAY WITHOUT WRITTEN APPROVAL OF THE ENGINEER. IF, WITH WRITTEN APPROVAL OF THE ENGINEER, WATER SERVICE TO ANY AREA IS DISRUPTED, MAKE PROVISIONS TO ENSURE ADEQUATE FIRE PROTECTION FOR SUCH AREA.
 - AT ALL TIMES, MAINTAIN ACCESSIBILITY FROM THE STREET TO ALL FIRE HYDRANTS, TRAFFIC SIGNALS, POWER OR LIGHT POLES, MAILBOXES, AND SIMILAR UTILITY AND PUBLIC SERVICE ITEMS ADJACENT TO THE CONSTRUCTION SITE.
 - DO NOT INTERRUPT UTILITIES SERVING OCCUPIED OR USED AREAS, EXCEPT WHEN AUTHORIZED BY THE ENGINEER. PROVIDE TEMPORARY SERVICES DURING SUCH INTERRUPTIONS AS APPROVED BY THE ENGINEER.
 - DO NOT STORE ANY MATERIALS, RUBBISH, DIRT, DEBRIS, OR WASTE OF ANY SORT RESULTING FROM THE DEMOLITION OPERATIONS ON THE FLOOR OF PARTIALLY DEMOLISHED STRUCTURES OR ADJACENT CONSTRUCTION SITE AREAS.
 - DISPOSE DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS AWAY FROM THE CONSTRUCTION SITE.
 - DO NOT BURN, BURY, OR OTHERWISE DISPOSE OF DEBRIS, RUBBISH, OR OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
 - STORAGE OR SALE OF ITEMS OF SALVABLE VALUE TO THE CONTRACTOR IS PROHIBITED AT THE CONSTRUCTION SITE.
 - CONTRACTORS WHO ARE CONDUCTING ANY CONSTRUCTION OR DEMOLITION OPERATIONS IN THE CITY SHALL FILE REPORTS, IN THE CITY'S CENTRAL PERMIT OFFICE. THE CONTRACTOR SHALL REPORT THE QUANTITY OF MATERIAL RECYCLED BY TYPE AND WEIGHT AS WELL AS THE RECEIVING MARKET ON FORMS LOCATED IN THE CITY'S CENTRAL PERMIT OFFICE.
 - NEW LOCATION OF RELOCATED STATUES/PILAQUES TO BE DETERMINED BY THE TOWNSHIP.
 - IRRIGATION AND ELECTRICAL CONTRACTORS SHALL DETERMINE IF NEW SERVICES FOR IRRIGATION SYSTEM, LIGHTING, AND FOUNTAIN IS NECESSARY AND MUST BE CONNECTED TO EXISTING SERVICES AT MUNICIPAL BUILDING, OR IF EXISTING SERVICES WITHIN PLAZA AREA ARE ADEQUATE.
 - THE EXISTING PLAZA CONTAINS BRICKS THAT ARE EMBOSSED. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO REMOVE EMBOSSED BRICKS CAREFULLY. EMBOSSED BRICKS SHALL BE STORED TO PREVENT DAMAGE. EMBOSSED BRICKS WILL BE USED IN SOLDIER COURSE OF PROPOSED IMPROVEMENTS.

- TREE REMOVAL NOTES:** (ARTICLE 665-120 OF THE TOWNSHIP ORDINANCE)
- IN THE ERECTION, ALTERING OR REPAIRING OF ANY BUILDING OR STRUCTURE, THE OWNER OR CONTRACTOR THEREOF SHALL PLACE SUCH GUARDS AROUND ALL NEARBY TREES IN PUBLIC HIGHWAYS OR PLACES AS WILL EFFECTUALLY PREVENT INJURY TO SUCH TREES.
 - NO PERSON, FIRM OR CORPORATION SHALL DO ANY EXCAVATING WITHIN SIX FEET OF ANY TREE OR SHRUB WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT OF PARKS AND PUBLIC PROPERTY.
 - SHOVELS AND ALL OTHER IMPLEMENTS, MACHINES AND TOOLS SHALL BE USED OR OPERATED IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY TREE, SHRUB OR PLANT IN ANY PUBLIC HIGHWAY OR PLACE.
 - WHERE IN AUTHORIZED EXCAVATIONS IT BECOMES NECESSARY TO EXPOSE OR CUT ROOTS MORE THAN ONE INCH IN DIAMETER, IT SHALL BE THE DUTY OF THE CONTRACTOR TO PROTECT SUCH ROOTS UNDER THE SUPERVISION OF THE DEPARTMENT OF PARKS AND PUBLIC PROPERTY.
 - CONTRACTOR TO ENSURE THAT ALL TREES MARKED FOR REMOVAL ARE DONE SO THOROUGHLY. THIS MEANS THAT NOT ONLY MUST THE TREES BE REMOVED, BUT THE STUMPS MUST BE EXTRACTED AS WELL, AND ANY RESULTING HOLES FILLED IN. NO OPEN HOLES SHOULD BE LEFT BEHIND.

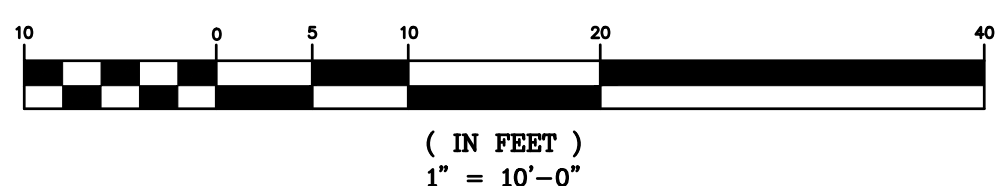
PLAQUES/STONES TABLE

NUMBER	NAME
1	KOREAN WAR PLAQUE
2	COLUMBUS DAY PLAQUE
3	COLUMBUS STATUE
4	JFK PLAQUE
5	VIETNAM PLAQUE
6	9/11 PLAQUE
7	PERVIS ROBISON PLAQUE
8	RAY BLUM PLAQUE
9	MARTIN LUTHER KING PLAQUE

LEGEND

	EXISTING BUILDING
	EXISTING CONCRETE AREA
	EXISTING PAVERS
	LINEAR DEMOLITION
	REMOVE EXISTING ITEM
	PROPOSED TREE AND SHRUB REMOVAL
	PROPOSED SAWCUT LINE
	RELOCATE STATUE / PLAQUE
	DEMOLISH PAVERS / SIDEWALK / CONCRETE

GRAPHIC SCALE



SURVEY NOTE:
THIS PROJECT REFERENCES A SURVEY PREPARED BY:
LAKELAND SURVEYING, 4 WEST MAIN STREET, ROCKAWAY, NJ
PHONE #: 973-625-5670
PROJECT NUMBER: 223291 , DATED: 9/21/22

VERTICAL DATUM = NAVD88

KEY PLAN (NTS)

NUTLEY MUNICIPAL PLAZA

1 KENNEDY DRIVE
NUTLEY, NJ 07110

CIVIL ENGINEERING

L2A PROJECT No. 2201.152



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ENGLEWOOD, NJ 07631
Tel: (201) 227-0300
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Michael E. Dipple, P.E.
NJ License #24GE04081200



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EXISTING CONDITIONS & DEMOLITION PLAN

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SHEET NO.

C-02

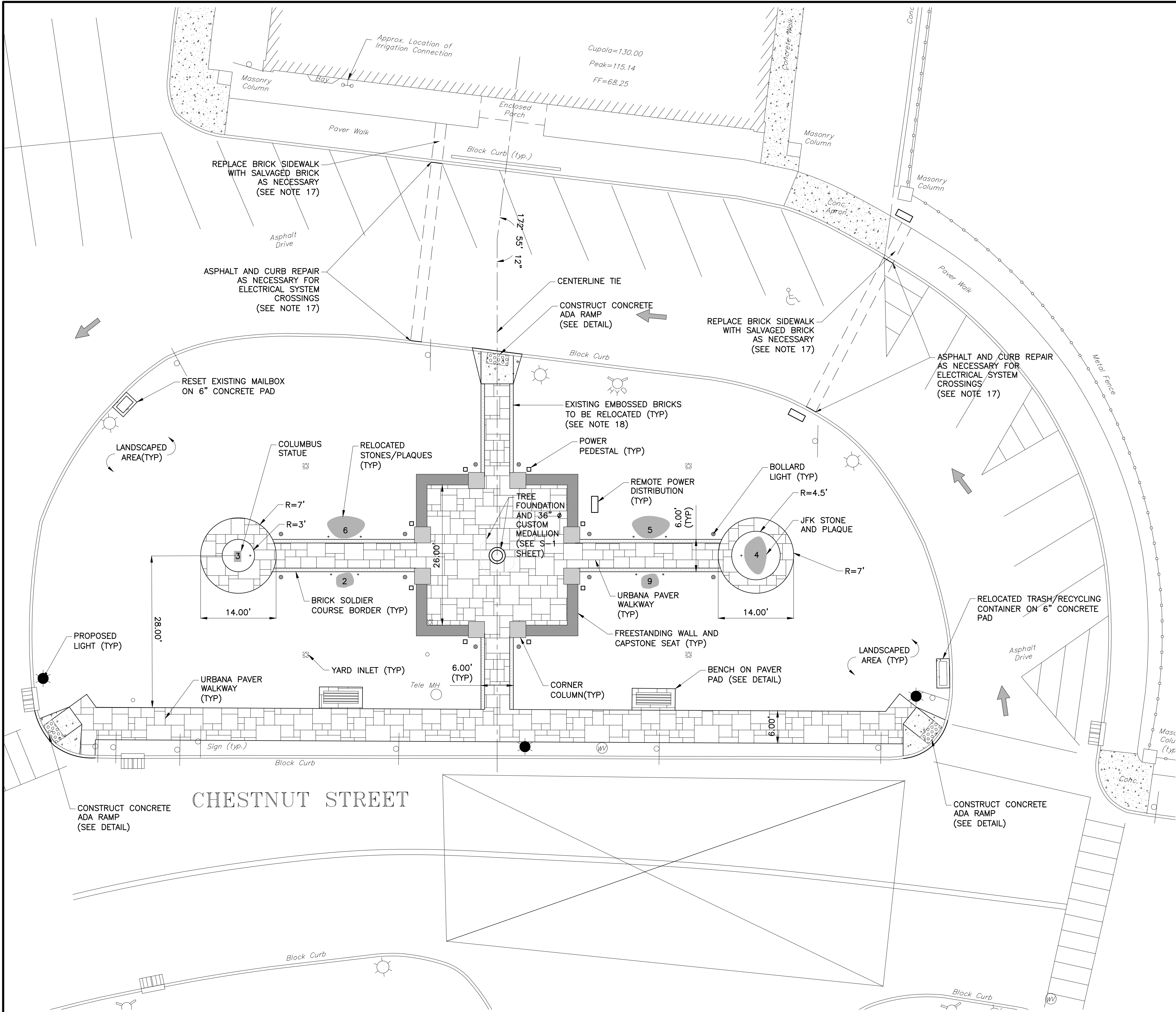
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THE STATE OF NEW JERSEY REQUIRES THREE (3) DAYS
NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL,
BLAST OR DEMOLISH.



GENERAL NOTES

1. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERMITTING AUTHORITIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS & SPECIFICATIONS & THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
3. THE PROPERTY SURVEY IS CONSIDERED A PART OF THESE PLANS.
4. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
5. SOLID WASTE TO BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
6. ALL EXCAVATED UNSUITABLE MATERIAL MUST BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION AND SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS, AS WELL AS ADDITIONAL PROVISIONS TO ASSURE STABILITY OF CONTIGUOUS STRUCTURES, AS FIELD CONDITIONS DICTATE.
8. THE PROPERTY CORNERS MUST BE STAKED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ITEMS & FEATURES WHICH ARE TO REMAIN WHETHER SHOWN ON THE DRAWINGS OR NOT.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFEGUARDS INCLUDING THE INSTALLATION OF SHORING, STRUCTURAL SUPPORTS, PROTECTIVE FENCING AND BARRIERS, ETC., AS MAY BE REQUIRED TO PREVENT UNAUTHORIZED ENTRY INTO THE CONSTRUCTION SITE, DAMAGE TO ADJACENT PROPERTY OR INJURY TO PERSONS.
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM CONSTRUCTION STAKE-OUT OF ALL BUILDINGS AND SITE IMPROVEMENTS.
12. THE CONTRACTOR SHALL PROVIDE AND PAY FOR ALL MATERIALS, LABOR, TOOLS EQUIPMENT, WATER, SANITARY FACILITIES, LIGHT, POWER, HEAT, TELEPHONE, TRANSPORTATION AND SUPERINTENDENCE FOR TEMPORARY CONSTRUCTION, SERVICES AND FACILITIES OF EVERY NATURE WHATSOEVER NECESSARY TO EXECUTE, COMPLETE AND DELIVER THE WORK WITHIN THE SPECIFIED TIME.
13. THE CONTRACTOR SHALL MAINTAIN AND PROTECT TRAFFIC AS REQUIRED DURING THE COURSE OF CONSTRUCTION IN SUCH A MANNER SATISFACTORY TO THE OWNER'S FIELD REPRESENTATIVE AND ANY OTHER AUTHORITY HAVING JURISDICTION.
14. THE CONTRACTOR SHALL CLEAN UP AND REMOVE ALL REFUSE RUBBISH, SCRAP MATERIALS, UNSUITABLE MATERIALS AND DEBRIS CAUSED BY HIS/HER OPERATIONS SO THAT, AT ALL TIMES, THE SITE OF THE WORK SHALL PRESENT A NEAT, ORDERLY AND WORKMANLIKE APPEARANCE ON A DAILY BASIS INCLUDING THE PUBLIC STREET (CHESTNUT STREET) AND THE MUNICIPAL PLAZA PARKING LOT.
15. THE CONTRACTOR SHALL, AT HIS/HER OWN EXPENSE, REPAIR OR REPLACE ALL GROUND SURFACES, PAVEMENTS, SIDEWALKS, CURBS, ETC., WHICH ARE TO REMAIN AND WHICH MAY BECOME DISTURBED OR DAMAGED DUE TO HIS/HER OPERATION.
16. ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0% AND A MAXIMUM RUNNING SLOPE OF 5.0%. ALL ADA ACCESSIBLE RAMPS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0% AND A MAXIMUM RUNNING SLOPE OF 8.3%, WITH LANDINGS AT THE TOP AND BOTTOM OF EACH RAMP HAVING A MAXIMUM SLOPE OF 2.0% IN ALL DIRECTIONS.
17. TRENCH, ASPHALT, CURB AND SIDEWALK REPAIR ONLY NECESSARY IF NEW UTILITY CONNECTIONS ARE MADE TO MUNICIPAL BUILDING.
18. CONTRACTOR SHALL COORDINATE WITH TOWNSHIP PERSONNEL REGARDING THE STORAGE AND RE-USE OF EMBOSSED BRICKS.

PLAQUES/STONES TABLE

NUMBER	NAME
1	KOREAN WAR PLAQUE
2	COLUMBUS DAY PLAQUE
3	COLUMBUS STATUE
4	JFK PLAQUE
5	VIETNAM PLAQUE
6	9/11 PLAQUE
7	PERVIS ROBISON PLAQUE
8	RAY BLUM PLAQUE
9	MARTIN LUTHER KING PLAQUE

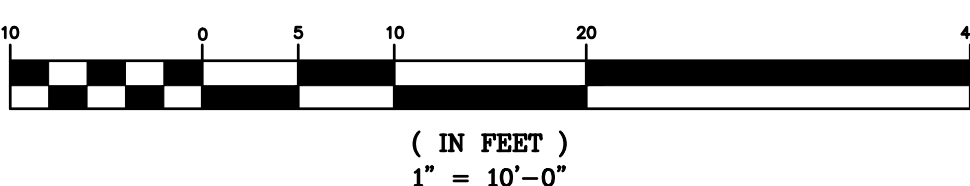
NOTES:

1. PLAQUES NOT SHOWN ON PLAN TO BE RELOCATED BY TOWNSHIP.
2. CONTRACTOR RESPONSIBLE TO REMOVE, PROTECT AND STORE ALL PLAQUES DURING CONSTRUCTION.

LEGEND

	EXISTING PAVER
	PROPOSED PAVER
	PROPOSED CONCRETE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING INLET

GRAPHIC SCALE



KEY PLAN (NTS)

NUTLEY MUNICIPAL PLAZA

1 KENNEDY DRIVE
NUTLEY, NJ 07110

CIVIL ENGINEERING

L2A PROJECT No. 2201.152

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PROJECT NO.

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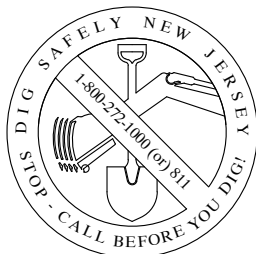
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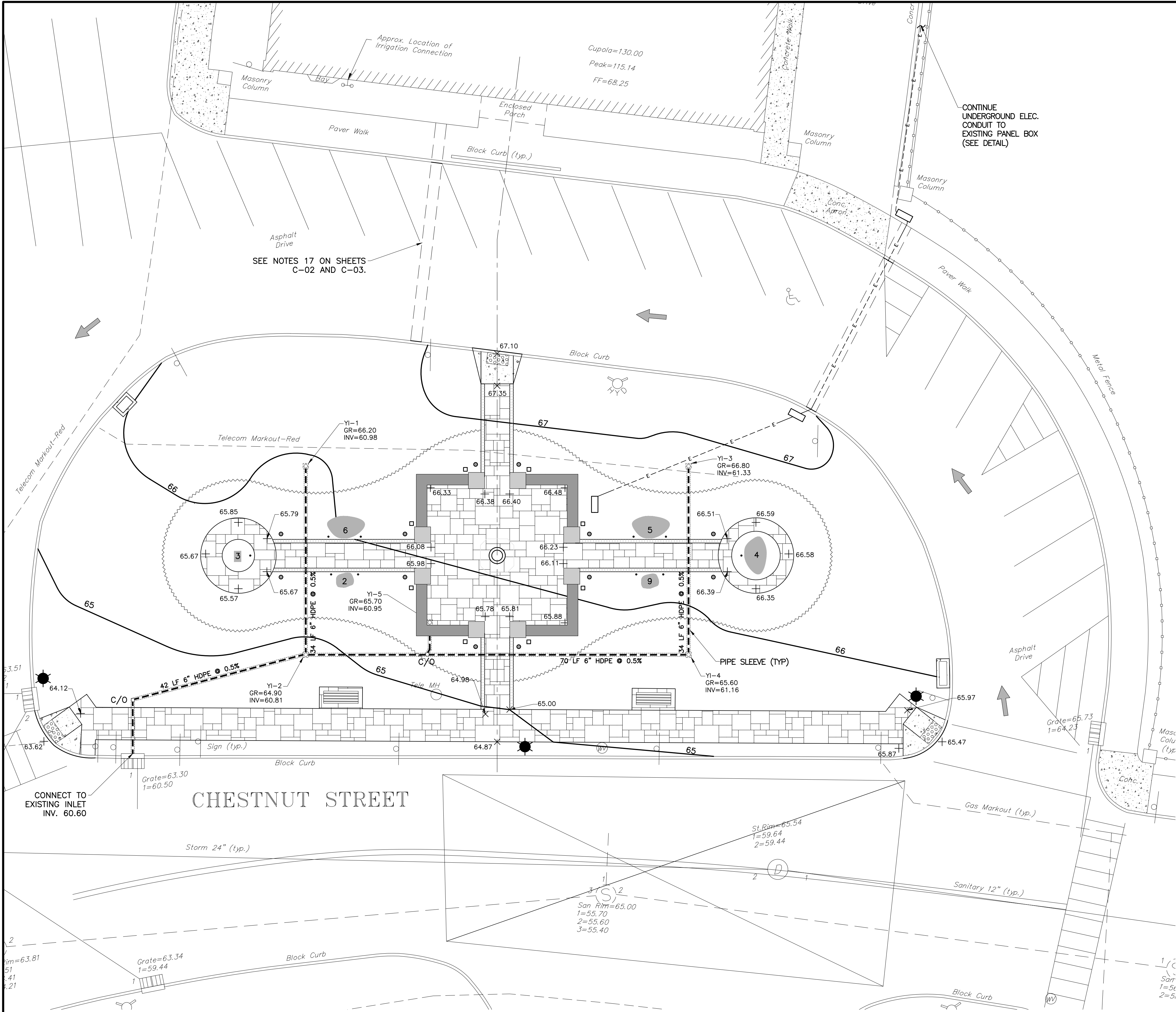
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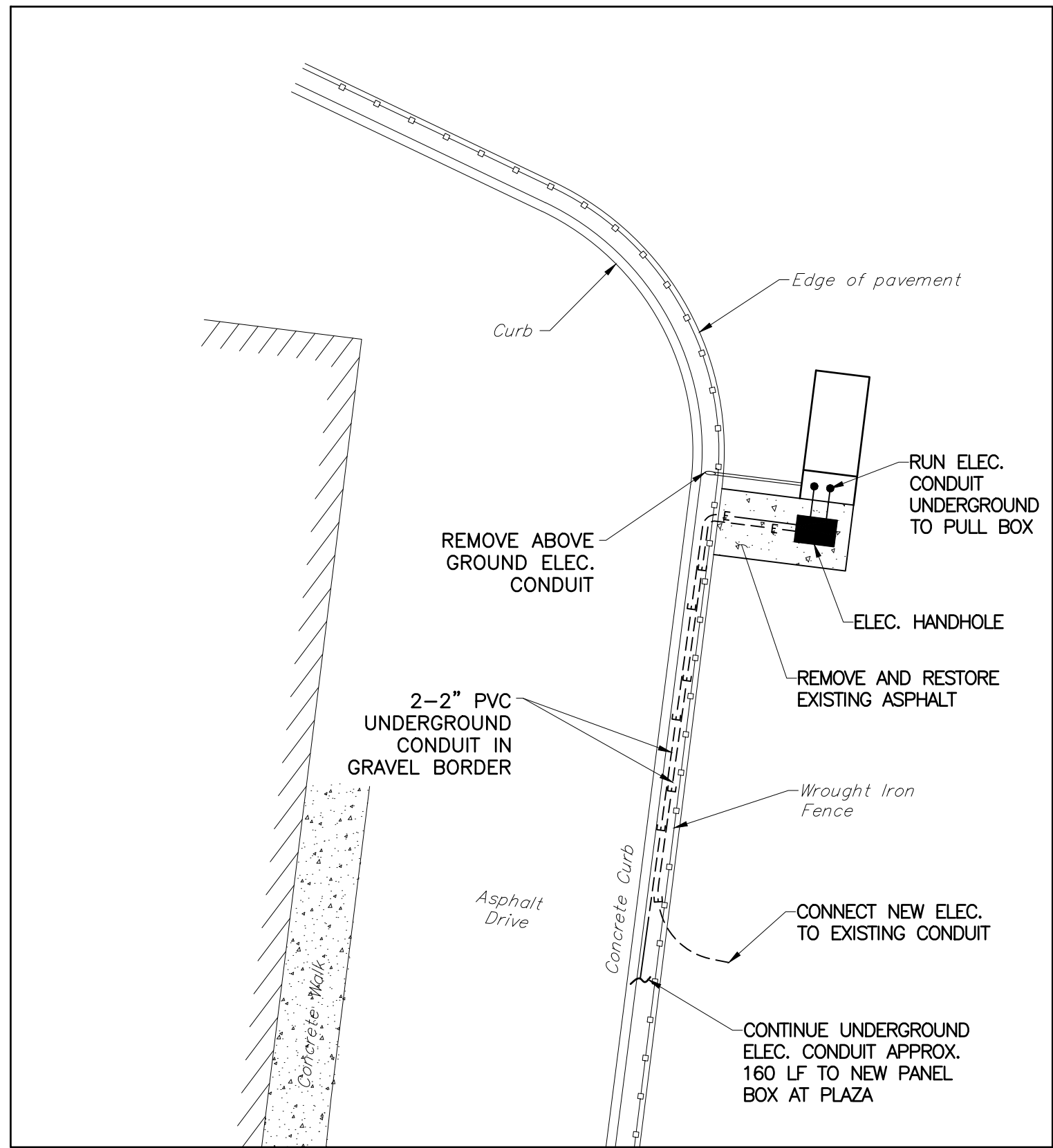


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GRADING, EXCAVATION, AND BACKFILLING NOTES:

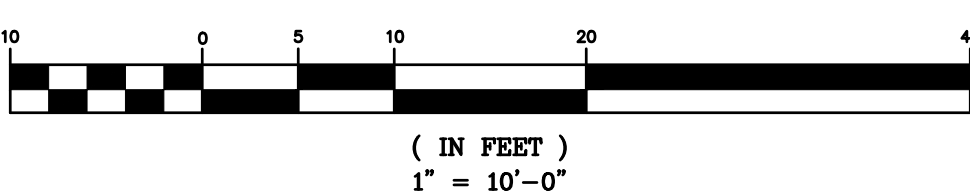
- THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD DATUM 1988.
- THE CONTRACTOR SHALL PREVENT WATER FROM ENTERING EXCAVATED AREA AND MAINTAIN A DRY CONDITION AT ALL TIMES.
- DO NOT PLACE FILL OR BACKFILL ON FROZEN SUBGRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE SOIL MATERIAL. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY PER ASTM TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM.
- PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% GUTTER GRADE ALONG CURB FACE.
- EXISTING STORM DRAIN INLETS WHICH ARE IN DIRECT CONTACT WITH REPAVING, REPAIRING, RECONSTRUCTION, OR RESURFACING OR ALTERATIONS OF FACILITIES ON PRIVATE PROPERTY SHALL BE RETROFIT TO PREVENT THE DISCHARGE OF SOLIDS AND FLOATABLES TO THE MUNICIPAL SEPARATE STORM SYSTEM. CONTRACTORS SHALL USE EITHER OF THE FOLLOWING GRATES IN PAVEMENT OR ANOTHER GROUND SURFACE TO COLLECT STORMWATER FROM THAT SURFACE INTO A STORM DRAIN OR SURFACE WATER BODY UNDER THAT GRATE:
 - THE NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) BICYCLE SAFE GRATE, WHICH IS DESCRIBED IN CHAPTER 2.4 OF THE NJDOT BICYCLE COMPATIBLE ROADWAYS AND BIKEWAYS PLANNING AND DESIGN GUIDELINES (APRIL 1996); OR
 - A DIFFERENT GRATE, IF EACH INDIVIDUAL CLEAR SPACE IN THAT GRATE HAS AN AREA OF NO MORE THAN SEVEN (7.0) SQUARE INCHES, OR IS NO GREATER THAN 0.5 INCHES ACROSS THE SMALLEST DIMENSION. EXAMPLES OF GRATES SUBJECT TO THIS STANDARD INCLUDE GRATES IN GRATE INLETS, THE GRATE PORTION (NON-CURB-OPENING PORTION) OF COMBINATION INLETS, GRATES ON STORM SEWER MANHOLES, DITCH GRATES, TRENCH GRATES, AND GRATES OF SPACER BARS IN SLOTTED DRAINS. EXAMPLES OF GROUND SURFACES INCLUDE OF ROADS (INCLUDING BRIDGES), DRIVEWAYS, PARKING AREAS, BIKEWAYS, PLAZAS, SIDEWALKS, LAWNS, FIELDS, OPEN CHANNELS, AND STORMWATER BASIN FLOORS.
 - WHENEVER CONTRACTORS USE A CURB-OPENING INLET, THE CLEAR SPACE IN THAT CURB OPENING (OR EACH INDIVIDUAL CLEAR SPACE, IF THE CURB OPENING HAS TWO OR MORE CLEAR SPACES) SHALL HAVE AN AREA OF NO MORE THAN SEVEN (7.0) SQUARE INCHES, OR BE NO GREATER THAN TWO (2.0) INCHES ACROSS THE SMALLEST DIMENSION.



LEGEND

	PROPOSED CONTOUR LINE
	PROPOSED SPOT ELEVATION
	PROPOSED MANHOLE
	PROPOSED TYPE 'D' INLET
	CLEAN OUT
	PROPOSED STORM LINE
	EXISTING GRADE
	EXISTING SPOT GRADE

GRAPHIC SCALE



UTILITY NOTES

- ELECTRICAL CONDUIT SHALL BE SCHEDULE 40 PVC CONDUIT PER NEMA TC-2. SIZE PER ELECTRICAL INSTALLER (TYP).
- LOCATION OF ELECTRIC AND COMMUNICATION SERVICES IS APPROXIMATE AND MUST BE CONFIRMED BY SERVICE PROVIDER. LOCATIONS OF TRANSFORMERS, PULL BOXES, ETC., AS WELL AS CONSTRUCTION SPECIFICATIONS TO BE DETERMINED AT PRE-CONSTRUCTION MEETING WITH UTILITY PROVIDER.
- IT IS THE CONTRACTORS RESPONSIBILITY TO CALL THE NJ ONE CALL CENTER A MINIMUM OF 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
- LOCATION OF EXISTING UTILITIES IS APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS INDEPENDENTLY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY SHOULD DISCREPANCIES EXIST.
- SHOULD INTERFERENCE BETWEEN UTILITIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
- WHERE SHOWN ON THE CONTRACT DRAWINGS, ADJUST THE CASTINGS OF EXISTING CATCH BASINS, MANHOLES AND VALVE BOXES TO FINISHED GRADE OF NEW PAVEMENT.
- PORTLAND CEMENT CONCRETE SHALL BE CLASS B, 28 DAY COMPRESSIVE STRENGTH OF 4,500 PSI, AIR-ENTRAINED UNLESS OTHERWISE NOTED. ALL EXISTING UTILITIES SHALL BE ADJUSTED TO FINAL GRADE IN ACCORDANCE WITH CURRENT TOWNSHIP REQUIREMENTS AND PRACTICES.
- THE ROADWAY AND CURBING MARK-OUTS MUST BE ESTABLISHED PRIOR TO THE INSTALLATION OF NEW UTILITIES.
- EACH DWELLING TO BE CONNECTED TO A FORCE MAIN THAT CONVEYS WASTEWATER UNDER PRESSURE TO A DISCHARGE POINT.

EXISTING & PROPOSED UTILITY LOCATIONS ARE APPROXIMATE. PRIOR TO CONSTRUCTION/DEMOLITION, THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITY LATERAL CONNECTIONS. ONCE LOCATED, THE ENGINEER SHALL BE CONTACTED TO VERIFY THE SUITABILITY OF THE EXISTING LATERALS PRIOR TO CONSTRUCTION/DEMOLITION. THE CONTRACTOR SHALL ALSO COORDINATE WITH THE SERVICE PROVIDERS PRIOR TO CONSTRUCTION/DEMOLITION.

KEY PLAN (NTS)

NUTLEY MUNICIPAL PLAZA

1 KENNEDY DRIVE
NUTLEY, NJ 07110

CIVIL ENGINEERING

L2A PROJECT No. 2201.152

L2A
LAND DESIGN / LLC

66 GRAND AVENUE, 2ND FLOOR
ENGLEWOOD, NJ 07631
Tel: (201) 227-0300
Email: xxx@xxxxxxxxxxxxxxx

Michael E. Dipple, P.E.
NJ License #24GE04081200

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777 Terrace Avenue, Suite 607
Hasbrouck Heights, New Jersey 07604
Tel 201-288-2600 || Fax 201-288-2662

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GRADING, DRAINAGE & UTILITY PLAN

DATE:	DRN	CHK	DESCRIPTION
02-06-2024			BID SET

REV.	DATE:	DRN	CHK	DESCRIPTION
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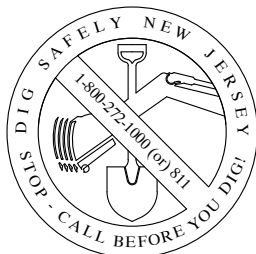
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PLANTING SCHEDULE					
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
	TC	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	2	3.5"- 4" CALIPER
	CC	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	10	3"-3.5" CALIPER
SHRUBS					
	BLM	BUXUS MICROPHYLLA 'LITTLE MISSY'	LITTLE MISSY BOXWOOD	152	18" HT.
	HY	HYDRANGEA 'PUFFER FISH'	PUFFER FISH HYDRANGEA	80	3G
	PSL	PRUNUS LAUROCERASUS 'SKIP LAUREL'	SKIP LAUREL CHERRY LAUREL	18	4'-5' HT.
PERENNIALS/GROUNDCOVERS					
	LM	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILY TURF	100	1G
	NWL	NEPETA 'WALKERS LOW'	WALKERS LOW CATMINT	80	1G

PLANTING SPECIFICATIONS

- SCOPE OF WORK
A. THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
- MATERIALS
A. GENERAL - ALL MATERIALS SHALL BE BEST OF ITS KIND AVAILABLE.
B. PLANTS - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS.
C. TOPSOIL - ORGANIC TOPSOIL FREE OF DEBRIS, ROCKS LARGER THAN TWO INCHES (2"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.
D. MULCH - DOUBLE SHREDDED HARDWOOD BARK MULCH.
- FERTILIZER AND SOIL CONDITIONER
A. ORGANIC FERTILIZER - SHALL BE PROCESSED SEWER SLUDGE WITH MINIMAL CONTENT OF 1% NITROGEN AND 2% PHOSPHORIC ACID, EQUAL TO 'NITROHUMUS'.
B. ORGANIC FERTILIZER AND SOIL CONDITIONER - SHALL BE 'GRO- POWER' AND ORGANIC BASE MATERIALS COMPRISED OF DECOMPOSED ANIMAL AND VEGETABLE MATTER AND COMPOSTED TO SUPPORT BACTERIAL CULTURES, CONTAINING NO POULTRY, ANIMAL OR HUMAN WASTE. GUARANTEED ANALYSIS (5-3-1) NITROGEN 5%, PHOSPHATE 3%, POTASH 1%, 50% HUMUS AND 15% HUMIC ACIDS.
- GENERAL WORK PROCEDURES:
C. LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING.
- WEEDING:
BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- TOPSOILING:
CONTRACTOR TO PROVIDE FOUR INCHES (4") MINIMUM THICK TOPSOIL LAYER IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO PRODUCE A FOUR INCH (4") COMPACTED THICKNESS. TOPSOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLIMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO FURNISH AN ANALYSIS OF ON-SITE TOPSOIL UTILIZED IN ALL PLANTING AREAS. ADJUST pH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE GROWING MEDIUM.
- SOIL CONDITIONING
CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. SPREAD EVENLY IN ALL PLANTING AREAS AND TILL (2 DIRECTIONS) INTO TOP 4" WITH THE FOLLOWING PER 1,000 SQ. FT.:
150 POUNDS 'GRO-POWER'
100 POUNDS AGRICULTURAL GYPSUM
20 POUNDS NITROFORM (COURSE) 38-0-0 BLUE CHIP
SOIL MODIFICATIONS:
D. THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. USE COMPOSTED BARK, RECYCLED YARD WASTE, PEAT MOSS, OR MUNICIPAL PROCESSED SEWAGE SLUDGE.
ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. RECYCLED MATERIAL BY THE SUPPLIER. AVOID MATERIAL WITH A pH HIGHER THAN 7.5. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING ON RAISED MOUNDS OR BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
- PLANTING - POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITTS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
A. PLANTING PITTS SHALL BE DUG WITH LEVEL BOTTOMS, WITH WIDTH 1 1/2 TIMES THE DIAMETER OF ROOT BALL AND 3" DEEPER THAN THE LENGTH OF ROOT BALL. EACH PLANT PIT SHALL BE BACK FILLED WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:
-1 PART PEATMOSS; 1 PART COW MANURE BY VOLUME; 3 PARTS TOPSOIL BY VOLUME; 21 GRAM 'AGRIFORM' PLANTING TABLETS AS FOLLOWS:
-2 TABLETS PER 1 GAL. PLAN; 3 TABLETS PER 5 GAL. PLANT; 4 TABLETS PER 15 GAL. PLANT; (FOR LARGER PLANTS USE TWO (2) TABLETS PER 1/2" DIAM. OF TRUNK CALIPER)
B. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT 1/2 WAY, AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.
C. ALL PLANTS SHALL BE SET SO THAT, THEY BEAR THE SAME RELATION TO THE REQUIRED GRADE AS THEY BORE TO THE NATURAL GRADE BEFORE BEING TRANSPLANTED.
D. IMMEDIATELY AFTER PLANTING, STAKE ALL TREES TO PREVENT DAMAGE FROM WIND (LODGE-POLE STAKES LENGTH AS REQUIRED). FASTEN TREES TO UPPER END OF STAKE IN AT LEAST TWO (2) PLACES USING HOSE TYPE TIES. GUY AND STAKE TREES 3 DIRECTIONS WITH GALVANIZED WIRE, THROUGH FLEXIBLE HOSE CHAFING GUARDS, WITH WOODEN STAKE ANCHORS. WRAP TREE TRUNK FROM GROUND TO FIRST BRANCH WITH TREE WRAPPING TAPE.
E. PREPARE RAISED EARTH BASIN AS WIDE AS PLANTING HOLE OF EACH TREE.
F. WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACK FILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.
PRUNE ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS TO A MIN. OF 7' BRANCHING HEIGHT.
- GROUND COVER
A. ALL GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING GROUND COVER.
B. SPACING AND VARIETY OF GROUND COVER SHALL BE AS SHOWN ON DRAWINGS.
C. IMMEDIATELY AFTER PLANTING GROUND COVER, CONTRACTOR SHALL THOROUGHLY WATER GROUND COVER.
D. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT BEFORE FINAL LANDSCAPE INSPECTION. GROUND COVER AREAS SHALL BE WEEDED PRIOR TO APPLYING PRE-EMERGENT. PRE-EMERGENT TO BE APPLIED AS PER MANUFACTURER'S RECOMMENDATION.
- FINISH GRADING
A. ALL AREAS WILL BE RECEIVED BY THE CONTRACTOR AT SUBSTANTIALLY PLUS/MINUS .1 FOOT OF FINISH GRADE.
B. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. SOIL AREAS ADJACENT TO THE BUILDINGS SHALL SLOPE AWAY.
C. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.
- GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL PLANTS AND LAWN FOR A PERIOD OF ONE (1) YEAR FROM ACCEPTANCE OF JOB.
- CLEANUP: UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS, TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY WITH HERBICIDE AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE. MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOVING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
- MAINTENANCE (ALTERNATE BID) COST PER MONTH AFTER INITIAL 60-DAY MAINTENANCE PERIOD.

KEY PLAN (NTS)

NUTLEY MUNICIPAL PLAZA

1 KENNEDY DRIVE
NUTLEY, NJ 07110

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LAND DESIGN + LLC

66 GRAND AVENUE, 2ND FLOOR
ENGLEWOOD, NJ 07631
Tel: (201) 227-0300
Email: xxx@xxxxxxxxxxxxxxx

Michael E. Dipple, P.E.
NJ License #24GE04081200

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LANDSCAPING PLAN

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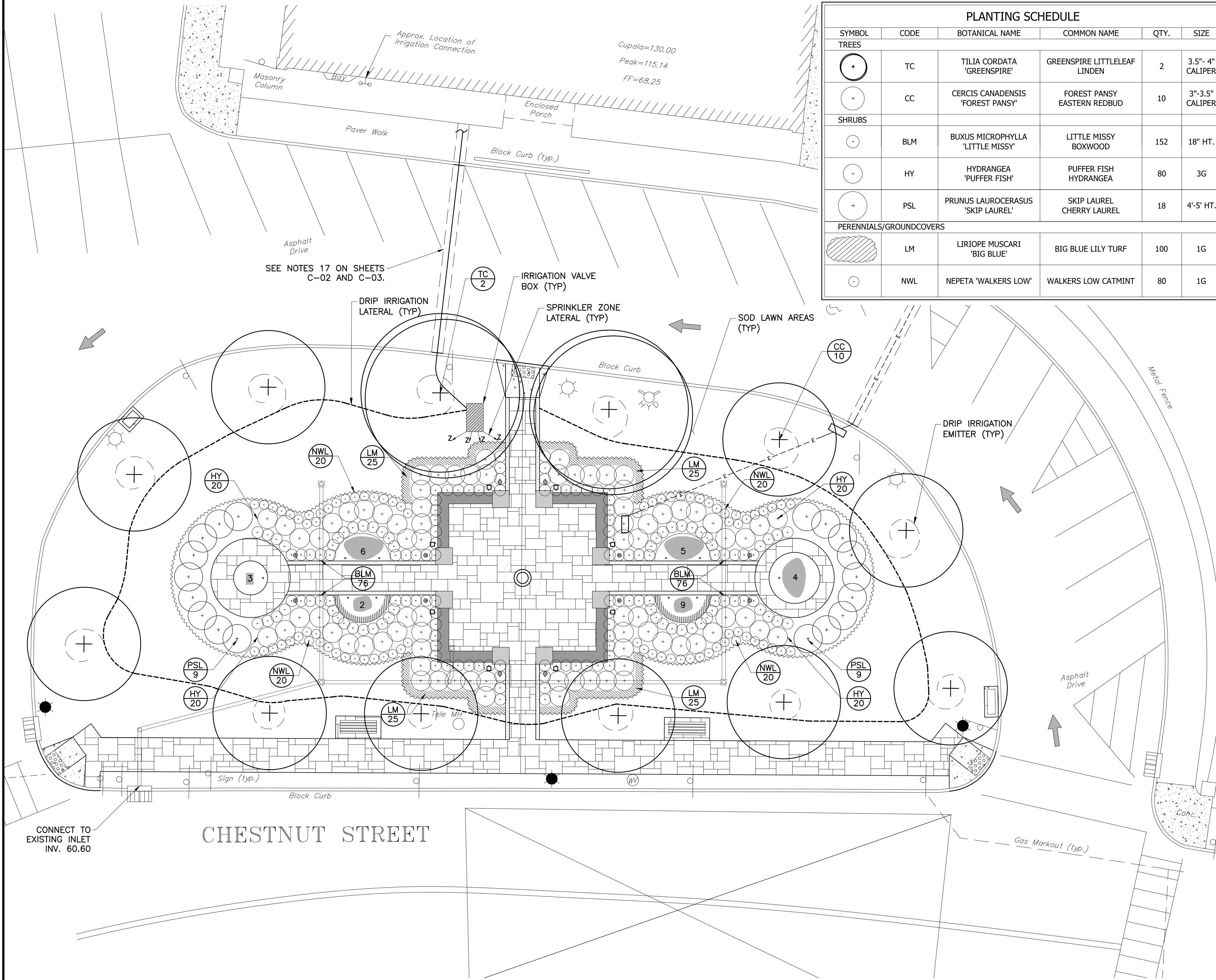
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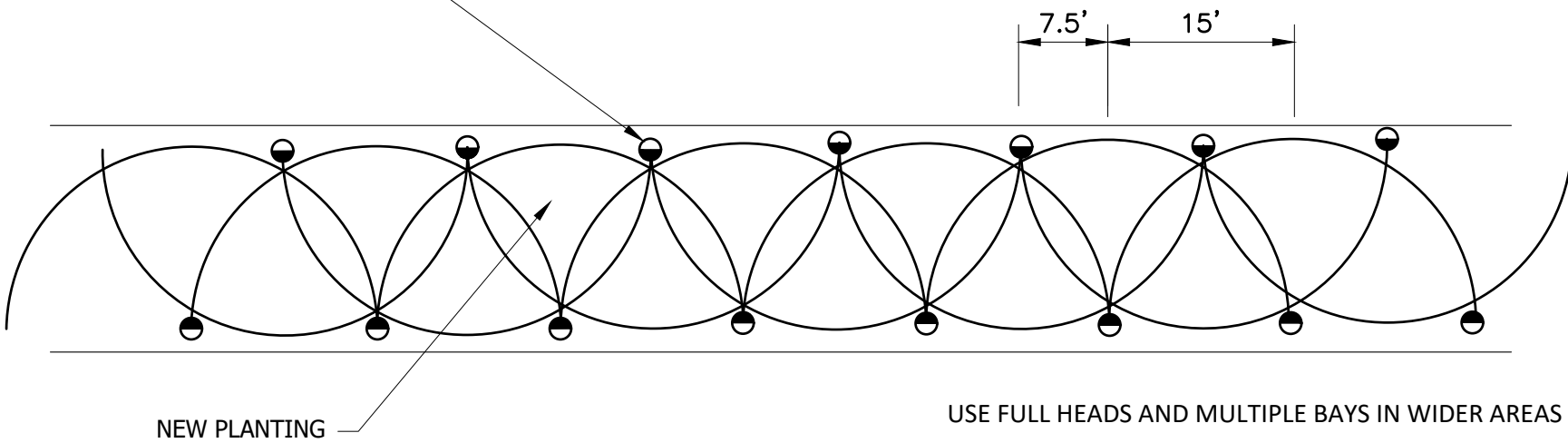
PLOT DATE: Nov 20 2023



IRRIGATION NOTES

- THE IRRIGATION SYSTEM SHALL BE DESIGNED TO OPERATE IN ACCORDANCE WITH ARTICLE II - WATER CONSERVATION GUIDELINES OF TOWNSHIP OF NUTLEY ORDINANCE NO. 3237.
- THE IRRIGATION CONTRACTOR SHALL BE LICENSED BY THE IRRIGATION ASSOCIATION OF NEW JERSEY.
- ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL CODES AND ORDINANCES.
- IRRIGATION CONTRACTOR SHALL CONFIRM THAT ALL APPLICABLE PERMITS AND AUTHORIZATIONS HAVE BEEN RECEIVED PRIOR TO INSTALLATION OF THE SYSTEM.
- THIS IRRIGATION DRAWING IS DIAGRAMMATIC ONLY. QUANTITY AND LOCATIONS OF ALL SYSTEM COMPONENTS MAY VARY.
- IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND CALIBRATION OF THE SYSTEM. IRRIGATION CONTRACTOR SHALL PROVIDE A BRIEF INSTRUCTION SESSION TO TOWNSHIP PERSONNEL ON THE OPERATION OF THE SYSTEM.
- IRRIGATION CONTRACTOR SHALL PROVIDE A SCHEMATIC DIAGRAM OF THE SYSTEM, INCLUDING ALL INSTALLED COMPONENTS, FOR TOWNSHIP RECORDS.
- IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AVAILABLE WATER PRESSURE PRIOR TO INSTALLATION OF THE SYSTEM.
- IRRIGATION CONTRACTOR SHALL DETERMINE OPTIMAL LOCATION FOR WATER SUPPLY AND SYSTEM COMPONENTS WITH REPRESENTATIVES OF THE TOWNSHIP OF NUTLEY.
- ALL PLANTINGS AND LAWN AREAS SHALL HAVE 100% FULL COVERAGE WITH IRRIGATION. PROVIDE ONE DRIP EMITTER PER TREE AND DRIP OR SPRAY MECHANISMS FOR SHRUBS.
- THE IRRIGATION SYSTEM WILL OPERATE WITH SEPARATE VALVE ZONES FOR TURF AREAS AND SHRUB PLANTING AREAS WHERE EFFICIENCY OF SEPARATION ALLOWS. THE CONTROLLER SHALL BE SET TO OPERATE APPROPRIATE RUN TIMES FOR THE VARIOUS ZONES AND THEIR REQUIRED PRECIPITATION NEEDS IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES FOR IRRIGATION IN NEW JERSEY.
- THE IRRIGATION SYSTEM WILL BE DESIGNED TO MINIMIZE THE APPLICATION OF WATER TO IMPERVIOUS AREAS, ADJACENT PROPERTIES, AND EXISTING VEGETATION.
- IRRIGATION CONTRACTOR SHALL FOLLOW ALL SYSTEM MANUFACTURER'S INSTALLATION INSTRUCTIONS.

4-6" POP-UP SPRINKLER BODY. INSTALLED FLUSH WITH FINISH GROUND SURFACE. WITH NOZZLE CAPABLE OF 180 DEGREE SPRAY PATTERN AND 15' RADIUS



SCHEMATIC SPRAY HEAD LAYOUT

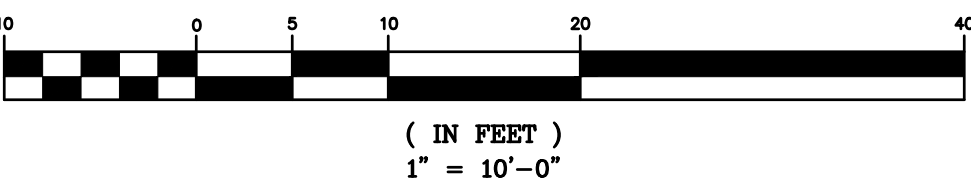
PRELIMINARY DESIGN SUBJECT TO
ANALYSIS OF AVAILABILITY OF EXISTING
WATER FLOW AND PRESSURE.

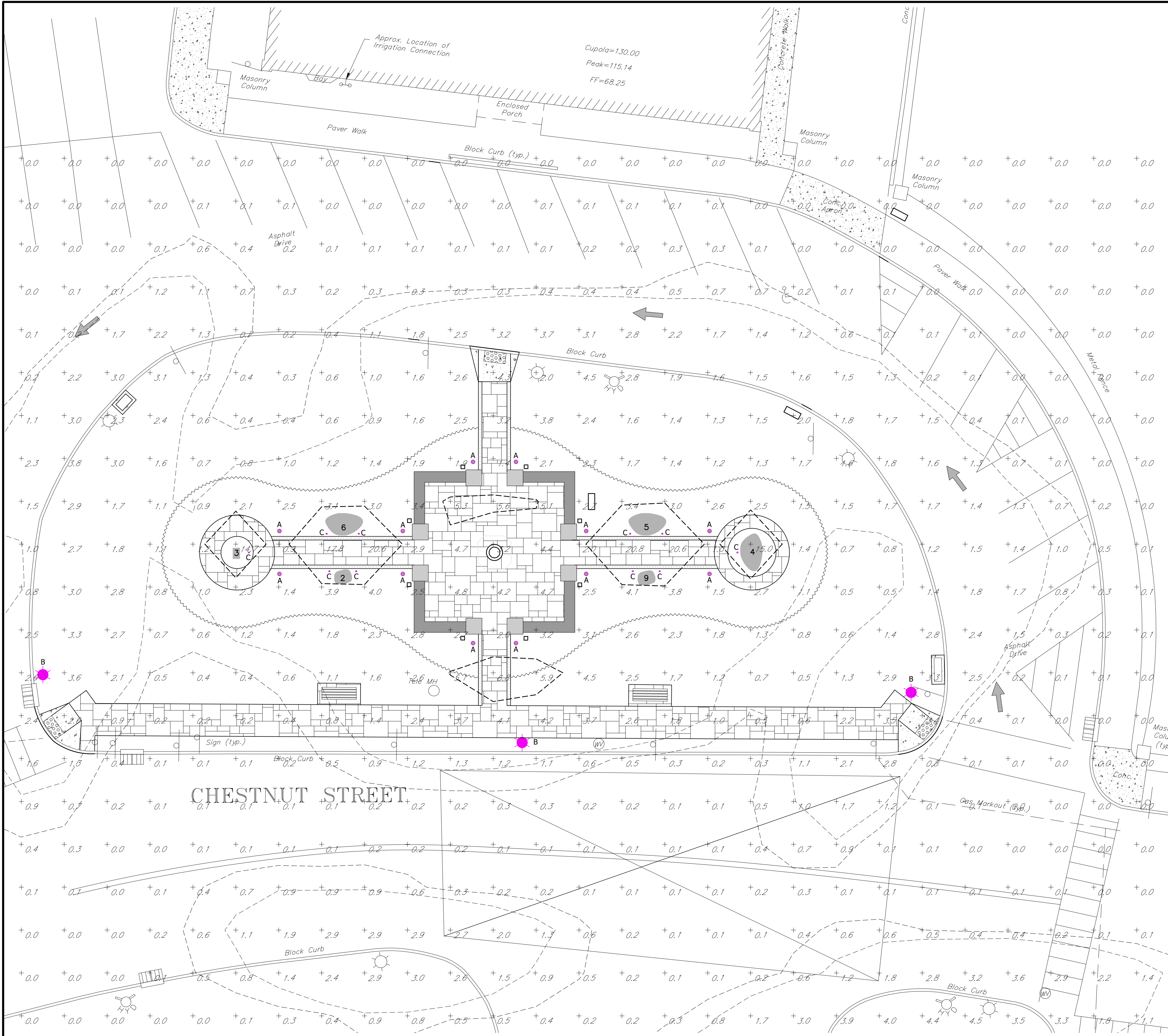
LEGEND

SYMBOL
QUANTITY

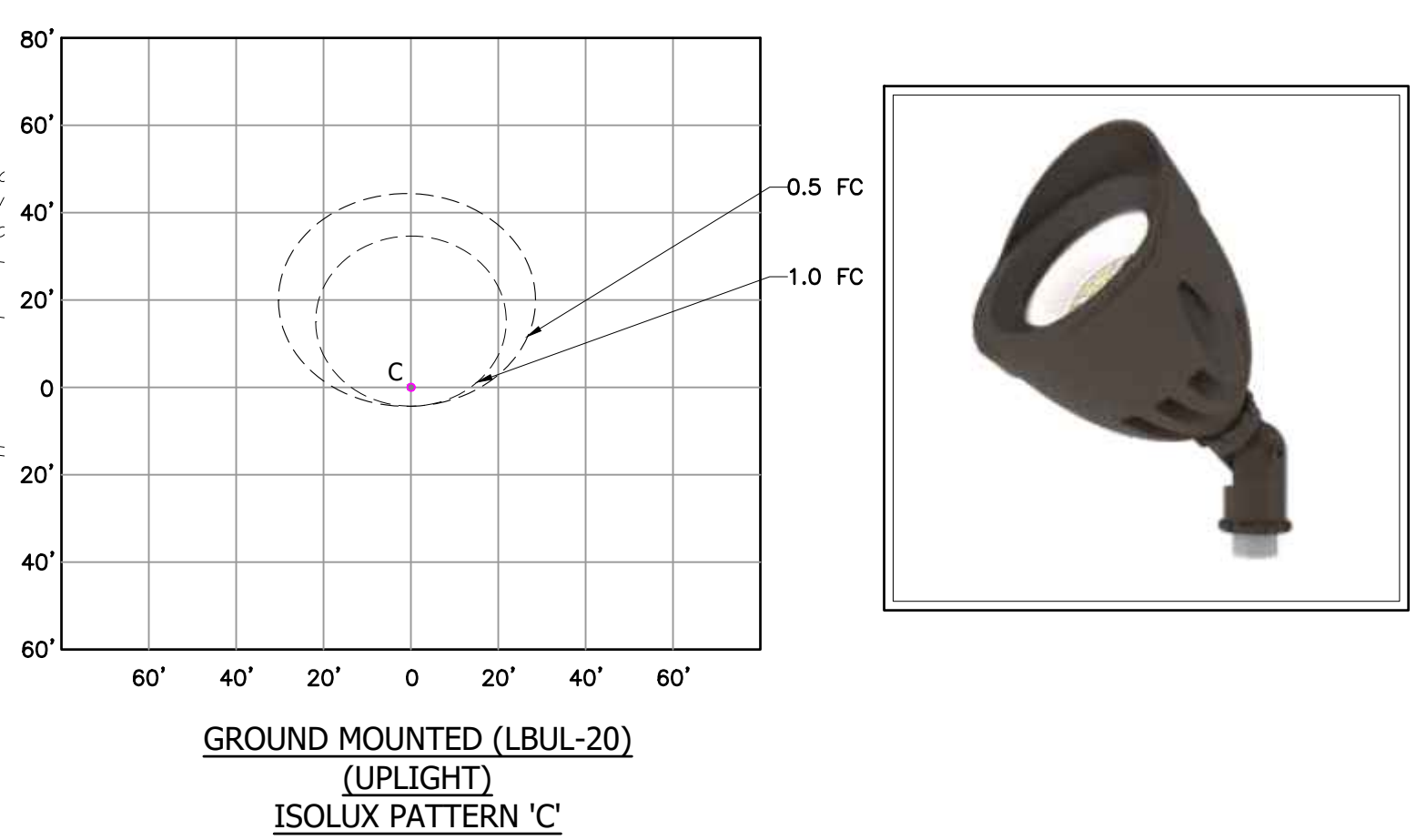
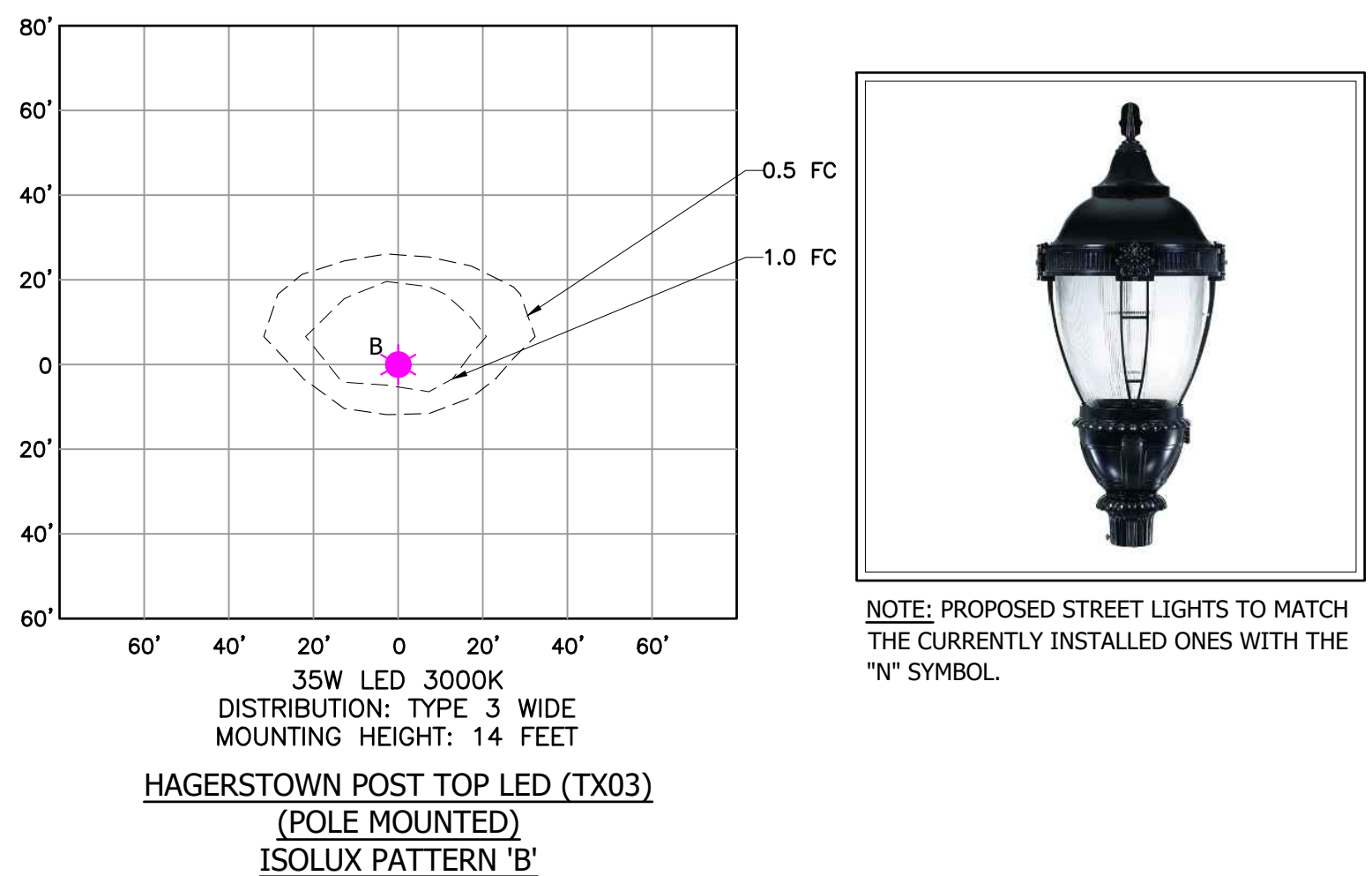
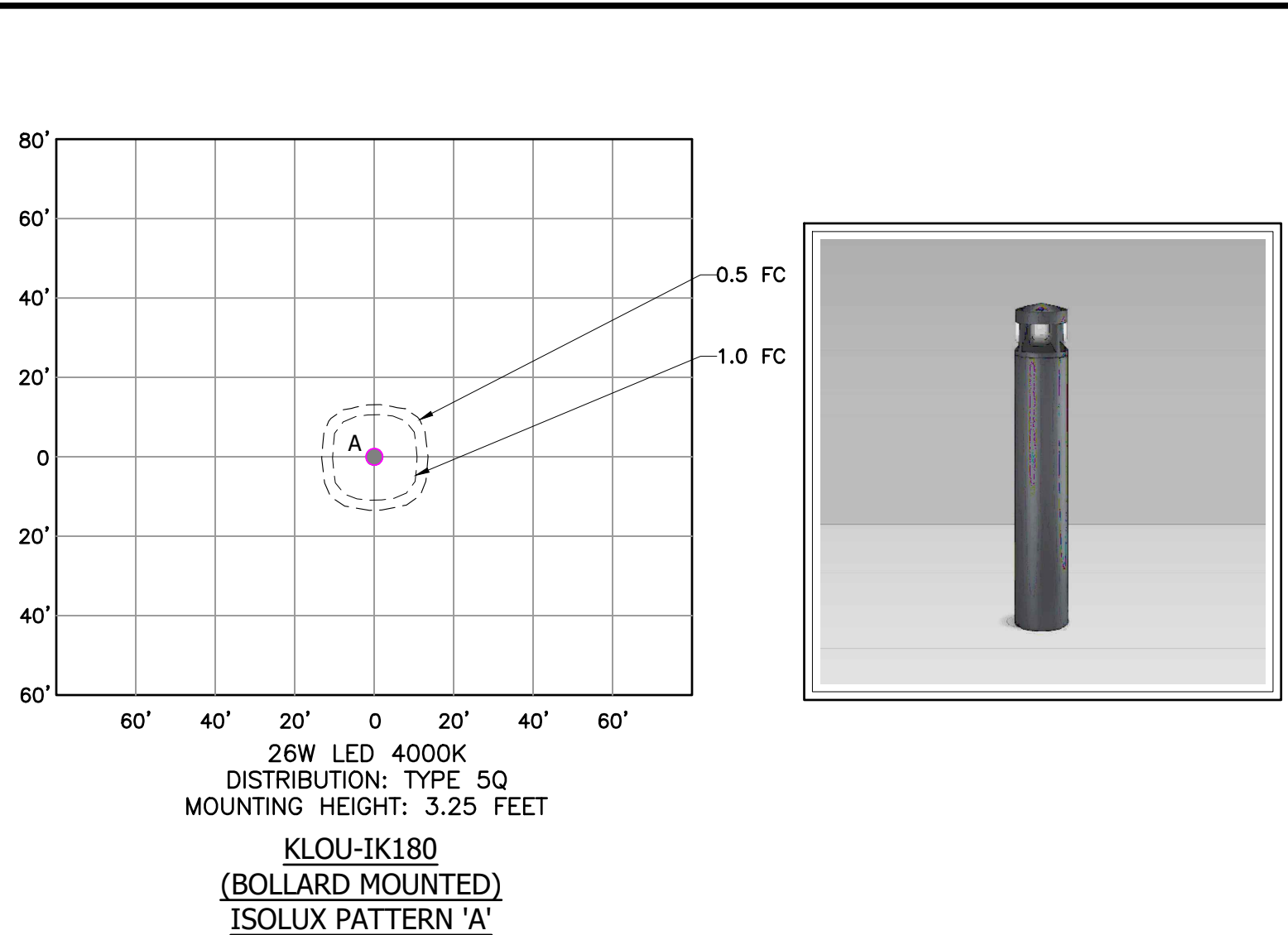
PROPOSED MULCH LINE

GRAPHIC SCALE

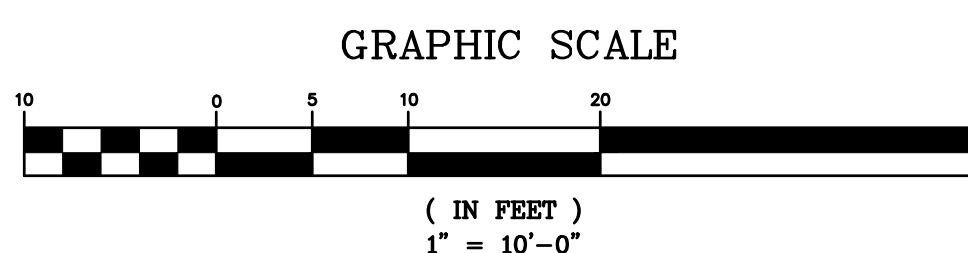




LUMINAIRE SCHEDULE								
SYMBOL	ARRANGEMENT	QTY.	LABEL	DESCRIPTION	MANUFACTURER	PRODUCT CODE	LUMENS	WATTAGE
	SINGLE	12	A	LED BOLLARD	ARCLUCE	0870006A-840-16 (BOLLARD MOUNTED AT 3.25')	375	26
	SINGLE	3	B	POLE MOUNTED	SIGNIFY	TX03-32-G3-3-740-7 (POLE MOUNTED AT 14')	3,000	35
	SINGLE	10	C	GROUND MOUNTED	EXO	LBUL-20-4K	3,000	20



LEGEND				
	PROPOSED ILLUMINATION CONTOUR IN FOOTCANDLES			
+0.5	PROPOSED ILLUMINATION LEVEL IN FOOTCANDLES			
	PROPOSED BOLLARD MOUNTED LIGHT FIXTURE			
	PROPOSED STREET LIGHT			
	EXISTING STREET LIGHT			



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NUTLEY, NJ 07110

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Michael E. Dipple, P.E.
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LIGHTING PLAN

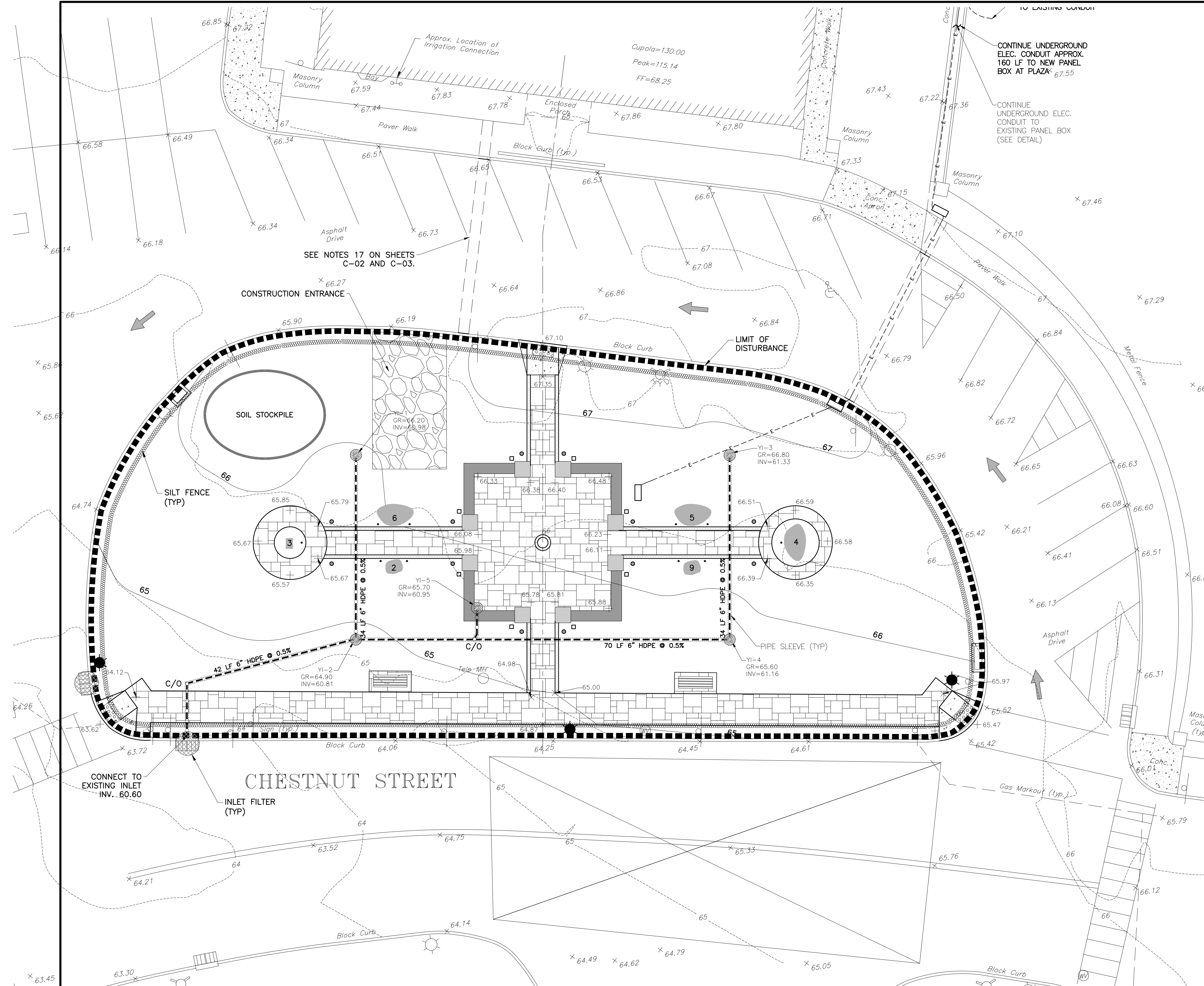
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PLOT DATE: Nov 20 2023



DUST CONTROL NOTES:
THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:
MULCHES - SEE STANDARD FOR STABILIZATION WITH MULCHES ONLY (Pg. 5-1)
VEGETATIVE COVER - SEE STANDARD FOR TEMPORARY VEGETATIVE COVER (Pg. 7-1), PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION (Pg. 4-1), AND PERMANENT STABILIZATION WITH SOD (Pg. 6-1)
SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

TABLE 16-1: DUST CONTROL MATERIALS

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GALLONS/ACRE
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) - SPRAY ON POLYACRYLAMIDE (PAM) - DRY SPRAY	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARDS (Pg. 26-1)		
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

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 EFFECT.
SPRINKLING - 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 GRANULATES OF 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.

LIMIT OF DISTURBANCE = 11,746 SF (0.27 Acres)

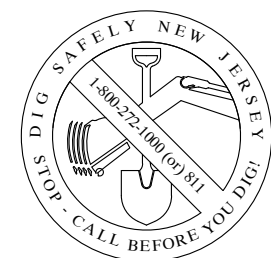
HUDSON ESSEX PASSAIC SCD (HEPSCD) SOIL EROSION AND SEDIMENT CONTROL NOTES:

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN WILL BE CONSTRUCTED IN ACCORDANCE WITH THE "NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL" 7TH EDITION **LAST REVISED JULY 2017, EFFECTIVE DECEMBER 2017**. THESE MEASURES WILL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- SOIL TO BE EXPOSED OR STOCKPILED FOR A PERIOD OF GREATER THAN 14 DAYS, AND NOT UNDER ACTIVE CONSTRUCTION, MAY BE REQUIRED TO BE TEMPORARILY MULCHED, AND SEEDED OR OTHERWISE PROVIDED WITH VEGETATIVE COVER AS PER APPENDIX A3. THIS TEMPORARY COVER SHALL BE MAINTAINED UNTIL SUCH TIME WHEREBY PERMANENT RESTABILIZATION IS ESTABLISHED.
- SEEDING DATES:** THE FOLLOWING SEEDING DATES ARE RECOMMENDED TO BEST ESTABLISH PERMANENT VEGETATIVE COVER WITHIN MOST LOCATIONS IN THE HEPSCD: **SPRING - 3/1-5/15 AND FALL - 8/15 - 10/1**
- SEDIMENT FENCES ARE TO BE PROPERLY TRENCHED AND MAINTAINED UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED
- ALL STORM DRAINAGE INLETS SHALL BE PROTECTED BY ONE OF THE PRACTICES ACCEPTED IN THE STANDARDS, AND PROTECTION SHALL REMAIN UNTIL PERMANENT STABILIZATION HAS BEEN ESTABLISHED. STORM DRAINAGE OUTLET POINTS SHALL BE PROTECTED AS REQUIRED BEFORE THEY BECOME FUNCTIONAL.
- MULCH MATERIALS SHALL BE UN-ROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 70 TO 90 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.
- ALL EROSION CONTROL DEVICES SHALL BE PERIODICALLY INSPECTED, MAINTAINED AND CORRECTED BY THE CONTRACTOR. ANY DAMAGE INCURRED BY EROSION SHALL BE RECTIFIED IMMEDIATELY.
- THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT WILL BE NOTIFIED IN WRITING AT LEAST 48 HOURS PRIOR TO ANY SOIL DISTURBING ACTIVITIES. FAX - (862) 333-4507 OR EMAIL - xxxxxxxxxxxx@xxxxxxxxxx
- THE APPLICANT MUST OBTAIN A DISTRICT ISSUED REPORT-OF-COMPLIANCE PRIOR TO APPLYING FOR THE CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY FROM THE RESPECTIVE MUNICIPALITY, NJ - DCA OR ANY OTHER CONTROLLING AGENCY.** CONTACT THE DISTRICT AT 862-333-4505 TO REQUEST A FINAL INSPECTION, GIVING ADVANCED NOTICE UPON COMPLETION OF THE RESTABILIZATION MEASURES. A PERFORMANCE DEPOSIT MAY BE POSTED WITH THE DISTRICT WHEN WINTER WEATHER OR SNOW COVER PROHIBITS THE PROPER APPLICATION OF SEED, MULCH, FERTILIZER OR HYDRO-SEED.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. DO NOT UTILIZE A FIRE OR GARDEN HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS DIRECTED TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT BASIN. WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAINS SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER USING REMOVABLE PUMPING STATIONS, SUMP PITS, PORTABLE SEDIMENTATION TANKS AND/OR SILT CONTROL BAGS.
- ALL SURFACES HAVING LAWN OR LANDSCAPING AS FINAL COVER ARE TO BE PROVIDED TOPSOIL PRIOR TO RE-SEEDING, SODDING OR PLANTING. A DEPTH OF 5.0 INCHES, FIRMED IN PLACE, IS **REQUIRED**, AS PER THE STANDARDS FOR TOPSOILING AND LAND GRADING, EFFECTIVE DECEMBER 2017.
- ALL PLAN REVISIONS MUST BE SUBMITTED TO THE DISTRICT FOR PROPER REVIEW AND APPROVAL.
- A CRUSHED STONE WHEEL CLEANING TRACKING-PAD IS TO BE INSTALLED AT ALL SITE EXITS USING 2 1/2 -1" CRUSHED ANGULAR STONE (ASTM 2 OR 3) TO A MINIMUM LENGTH OF 50 FEET AND MINIMUM DEPTH OF 6". ALL DRIVEWAYS MUST BE PROVIDED WITH CRUSHED STONE UNTIL PAVING IS COMPLETE.
- STEEP SLOPES INCURRING DISTURBANCE MAY REQUIRE ADDITIONAL STABILIZATION MEASURES. THESE "SPECIAL" MEASURES SHALL BE DESIGNED BY THE APPLICANT'S ENGINEER AND BE APPROVED BY THE SOIL CONSERVATION DISTRICT.
- THE HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED, IN WRITING, FOR THE SALE OF ANY PORTION OF THE PROJECT OR FOR THE SALE OF INDIVIDUAL LOTS. NEW OWNERS' INFORMATION SHALL BE PROVIDED. ADDITIONAL MEASURES DEEMED NECESSARY BY DISTRICT OFFICIALS SHALL BE IMPLEMENTED AS CONDITIONS WARRANT.**

SOIL STABILIZATION AND MAINTENANCE NOTES:

- STABILIZATION SPECIFICATIONS**
 - TEMPORARY SEEDING AND MULCHING:**
 - LIME: 90 LBS./1,000 SF GROUND LIMESTONE
 - FERTILIZER: 11 LBS./1,000 SF AT 10-20-10 OR EQUIVALENT WORKED INTO THE SOIL AT A MINIMUM OF FOUR (4") INCHES.
 - SEED: PERENNIAL RYEGRASS 40 LBS./ACRE (1LB./1,000 SF) OR OTHER APPROVED SEEDS. PLANT BETWEEN MARCH 1ST AND MAY 15TH OR BETWEEN AUGUST 15TH AND OCTOBER 1ST.
 - MULCH: SALT HAY OR SMALL GRAINS STRAW AT A RATE OF 70 LBS. TO 90 LBS./1,000 SF TO BE APPLIED ACCORDING TO THE NEW JERSEY STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS SUCH AS PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER.
 - PERMANENT SEEDING AND MULCHING:**
 - TOPSOIL: UNIFORM APPLICATION TO A DEPTH OF 5" (UNSETTLED)
 - LIME: 90 LBS./1,000 SF GROUND LIMESTONE
 - FERTILIZER: 11 LBS./1,000 SF AT 10-20-10 OR EQUIVALENT WORKED INTO A SOIL A MINIMUM OF 4"
 - SEED: TURF TYPE TALL FESCUE (BLEND OF THREE CULTIVARS) 150 LBS./ACRE (3.5 LBS./1,000 SF) OR OTHER APPROVED SEEDS. PLANT BETWEEN MARCH 1ST AND NOVEMBER 15TH.
 - MULCH: SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70 LBS. TO 90 LBS./1,000 SF TO BE APPLIED AS PER NEW JERSEY STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS SUCH AS PEG & TWINE, MULCH NETTING OR LIQUID MULCH BINDER.
 - STABILIZATION WITH MULCH ONLY:**
 - APPLICABLE IN AREAS SUBJECT TO EROSION WHERE THE SEASON AND OTHER CONDITIONS MAY NOT BE SUITABLE FOR GROWING AN EROSION-RESISTANT COVER OR WHERE STABILIZATION IS NEEDED FOR A SHORT PERIOD UNTIL MORE SUITABLE PROTECTION CAN BE APPLIED.
- SITE PREPARATION**
 - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR APPLYING AND ANCHORING MULCH. ALL GRADING SHALL BE DONE IN ACCORDANCE WITH THE NEW JERSEY STANDARDS FOR LAND GRADING.
 - EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSION GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASIN AND WATERWAYS PER THE NEW JERSEY STANDARDS.
- PROTECTIVE MATERIALS**
 - UNROLL SMALL-GRAIN STRAW OR SALT HAY AT 2.0 TONS TO 2.5 TONS PER ACRE AND SPREAD UNIFORMLY AT 90 LBS. TO 115 LBS./1,000 SF AND ANCHORED WITH A MULCH ANCHORING TOOL, LIQUID MULCH BINDER, OR A NETTING TIE-DOWN. OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT.
 - ASPHALT EMULSION IS RECOMMENDED AT THE RATE OF 600 GAL. TO 1,200 GAL./ACRE. THIS IS SUITABLE FOR A LIMITED PERIOD OF TIME WHERE TRAVEL BY PEOPLE, ANIMALS OR MACHINES IS NOT A PROBLEM.
 - SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE MANUFACTURER.
 - WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 LBS./ACRE OR ACCORDING TO THE MANUFACTURER'S REQUIREMENTS MAY BE APPLIED BY A HYDROSEEDER.
 - MULCH NETTING, SUCH AS PAPER JUTE, EXCELSIOR, COTTON OR PLASTIC MAY BE USED.
 - WOOD CHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2" MAY BE USED. WOOD CHIPS SHALL NOT BE USED ON AREAS WHERE FLOWING WATER CAN WASH THEM INTO AN INLET AND CLOG IT.

DIG SAFELY NEW JERSEY
1-800-272-1000 (or) 811

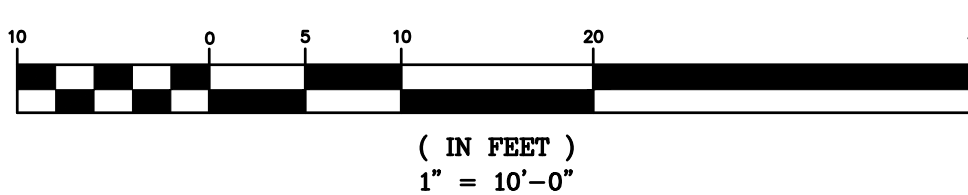


BEFORE YOU DIG ANYWHERE IN NEW JERSEY:
CALL 1-800-272-1000 (or) 811
THE STATE OF NEW JERSEY REQUIRES THREE (3) DAYS
NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL,
BLAST OR DEMOLISH.

LEGEND

	LIMIT OF DISTURBANCE
	SILT FENCE
	CONSTRUCTION ENTRANCE
	INLET FILTER

GRAPHIC SCALE



KEY PLAN (NTS)

NUTLEY MUNICIPAL PLAZA

1 KENNEDY DRIVE
NUTLEY, NJ 07110

CIVIL ENGINEERING

L2A PROJECT No. 2201.152



66 GRAND AVENUE, 2ND FLOOR
ENGLEWOOD, NJ 07631
Tel: (201) 227-0300
Email: xxx@xxxxxxxxxxxxxx

Michael E. Dipple, P.E.
NJ License #24GE04081200



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SOIL EROSION & SEDIMENT
CONTROL PLAN

DATE:	DRN	CHK	DESCRIPTION
02-06-2024			BID SET

REV.	DATE:	DRN	CHK	DESCRIPTION
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2	11/17/23	ME	MD	ELEC. REVISIONS/DETAILS

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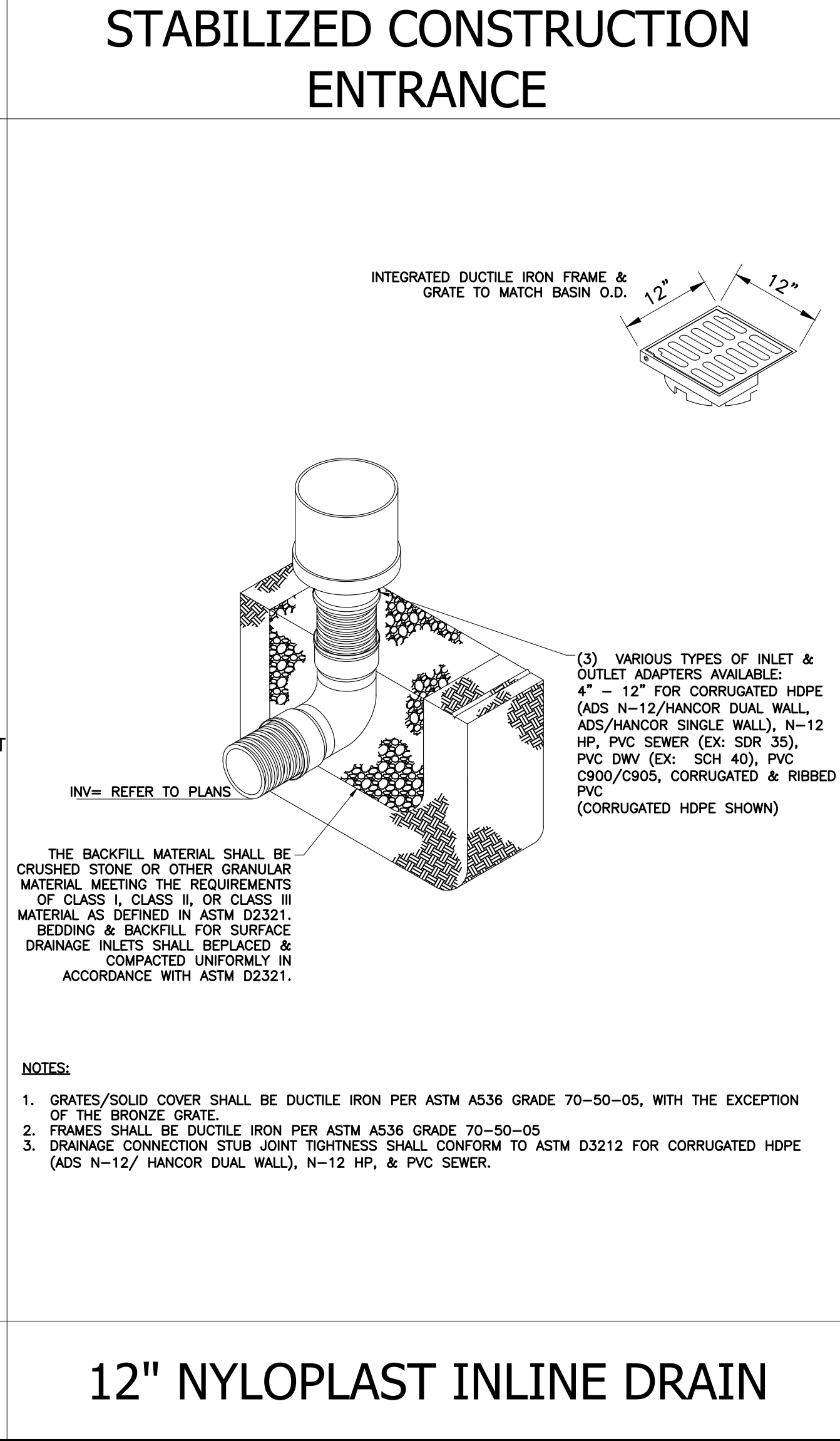
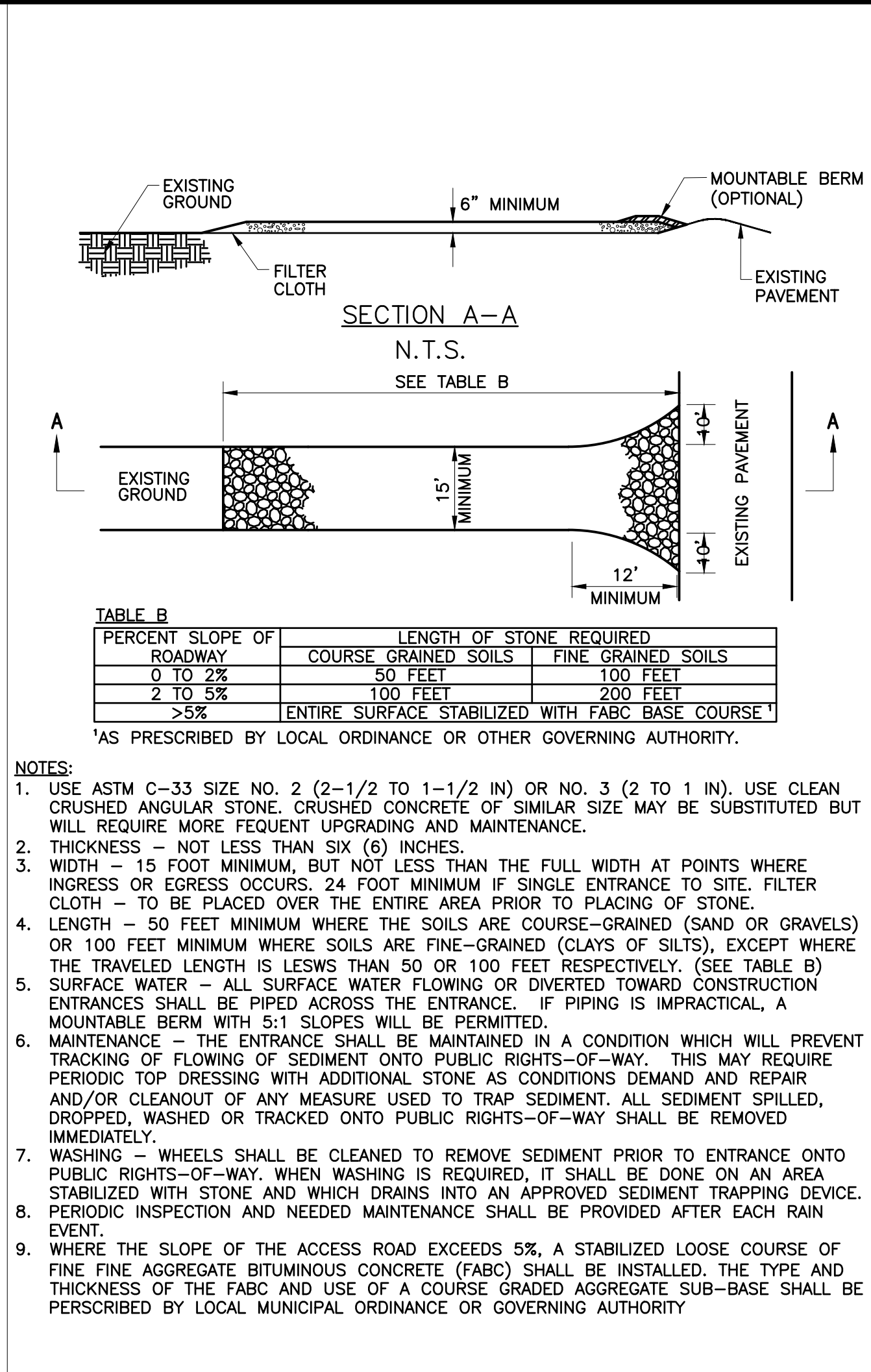
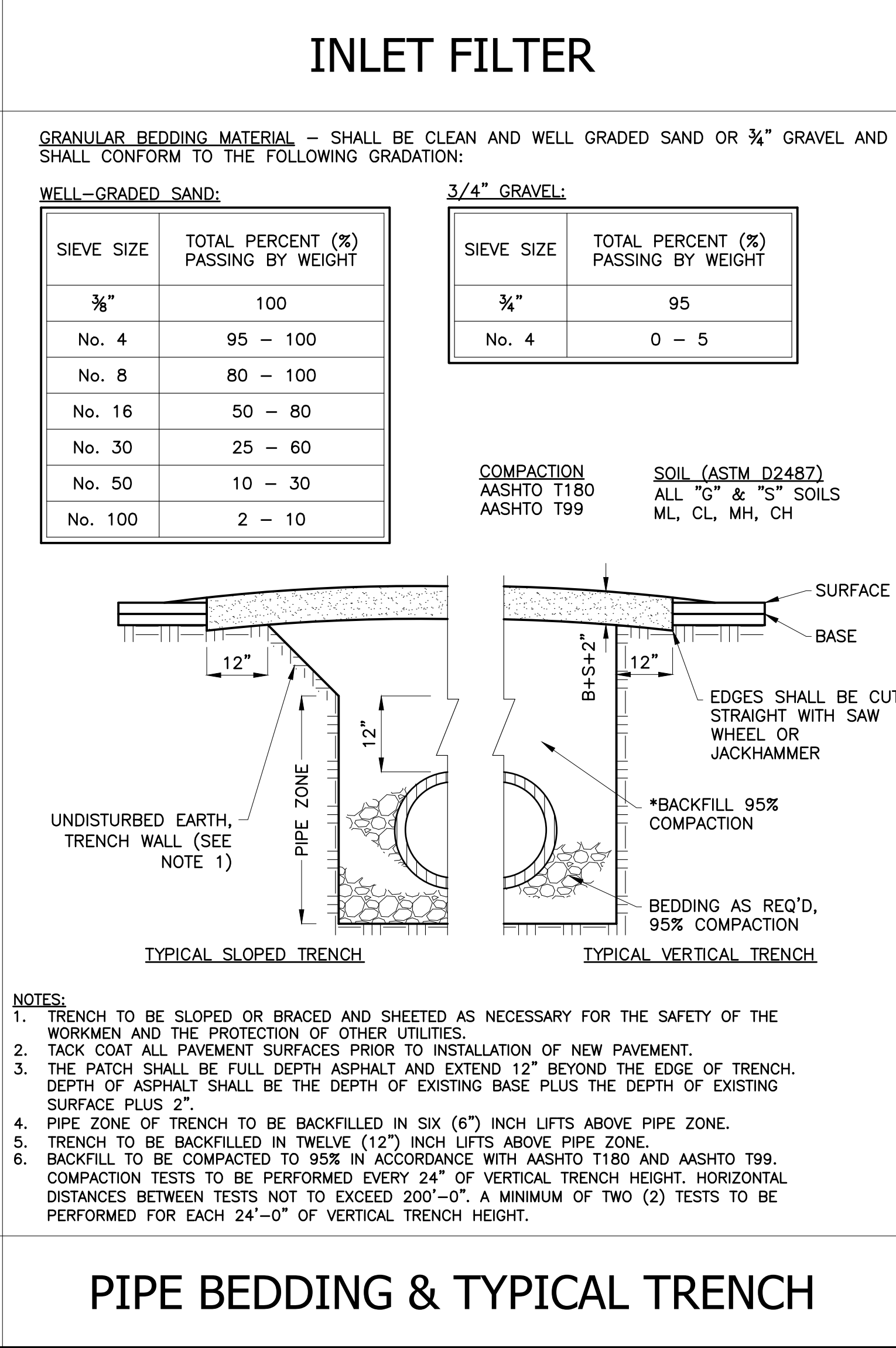
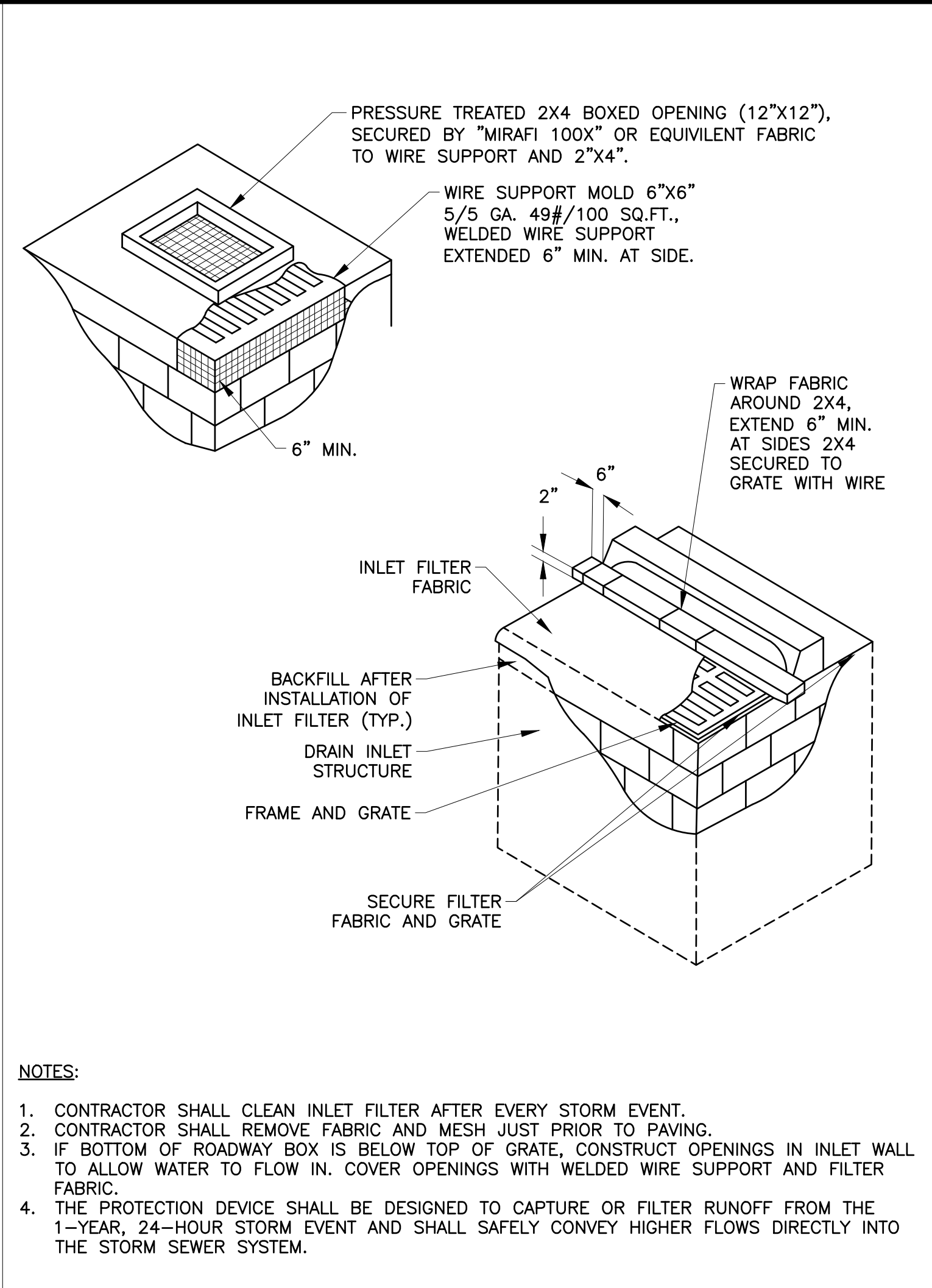
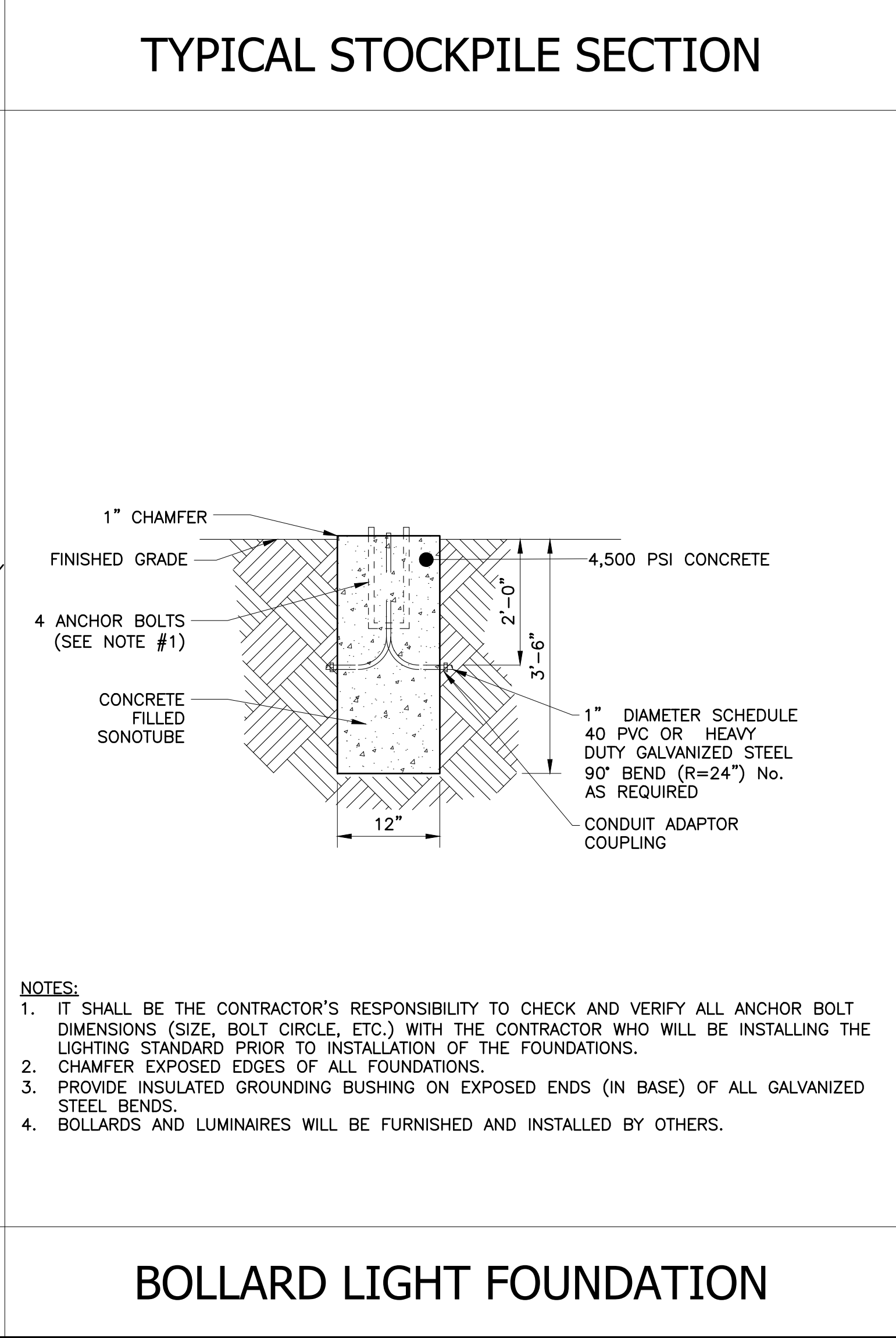
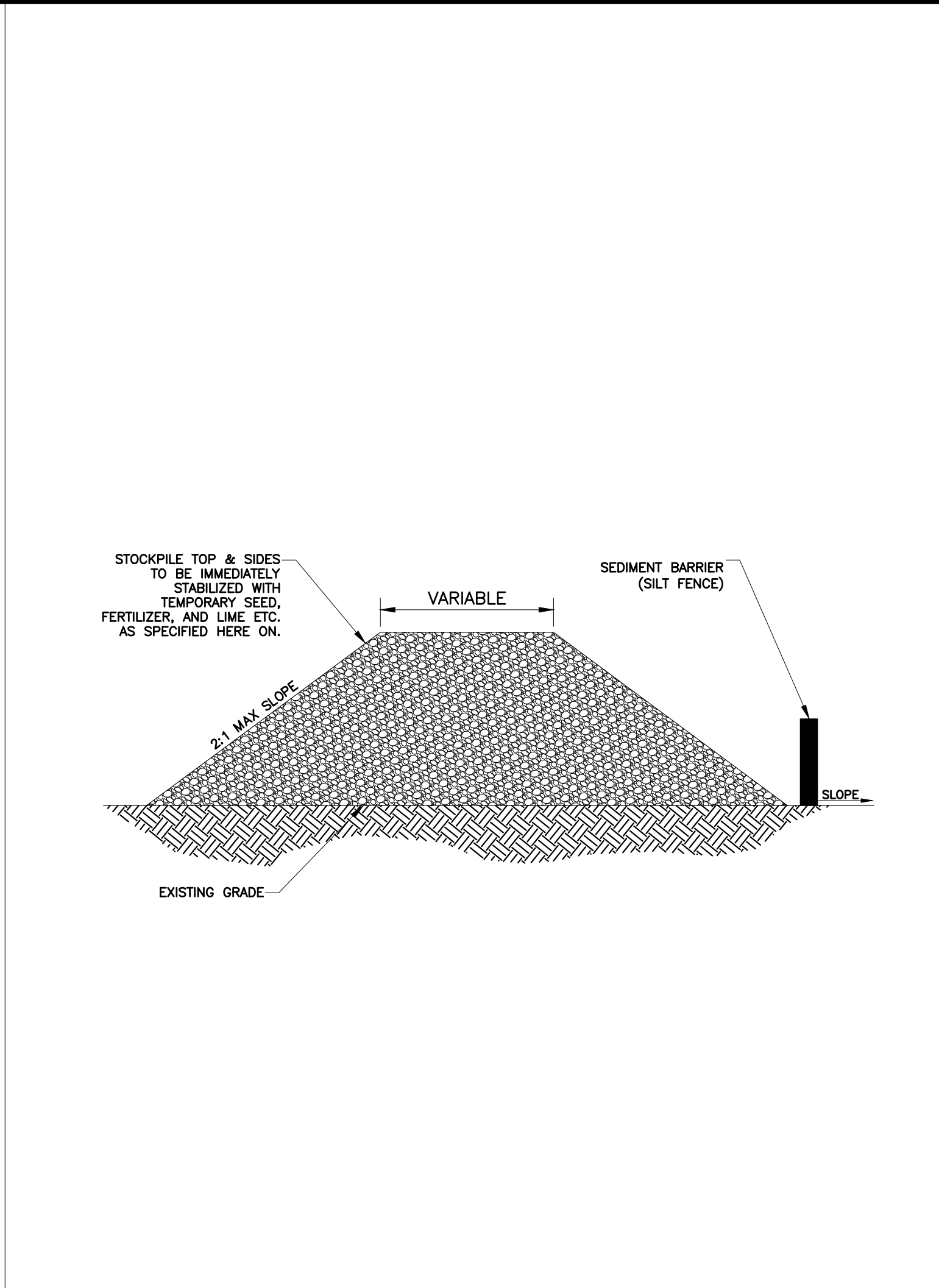
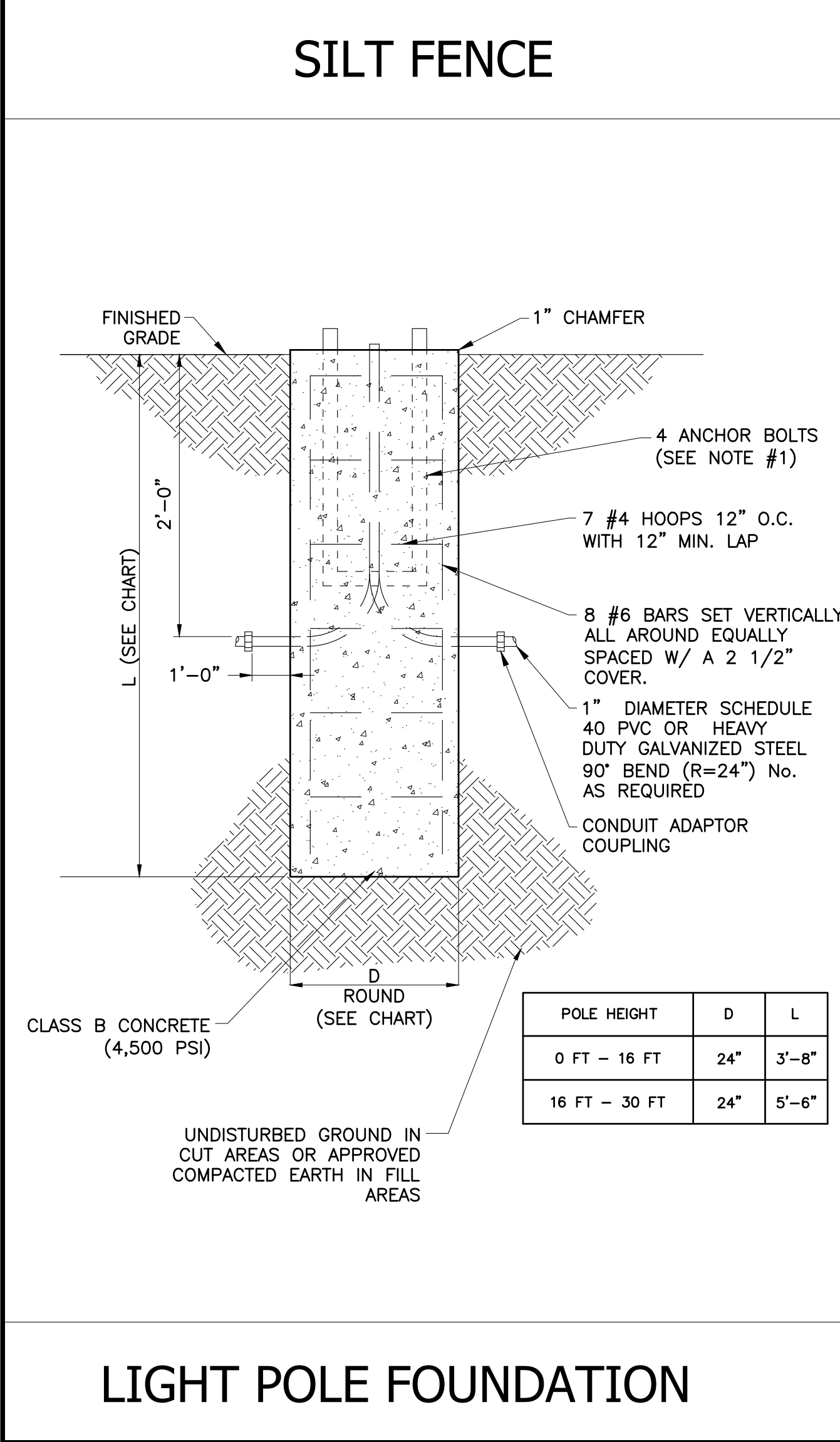
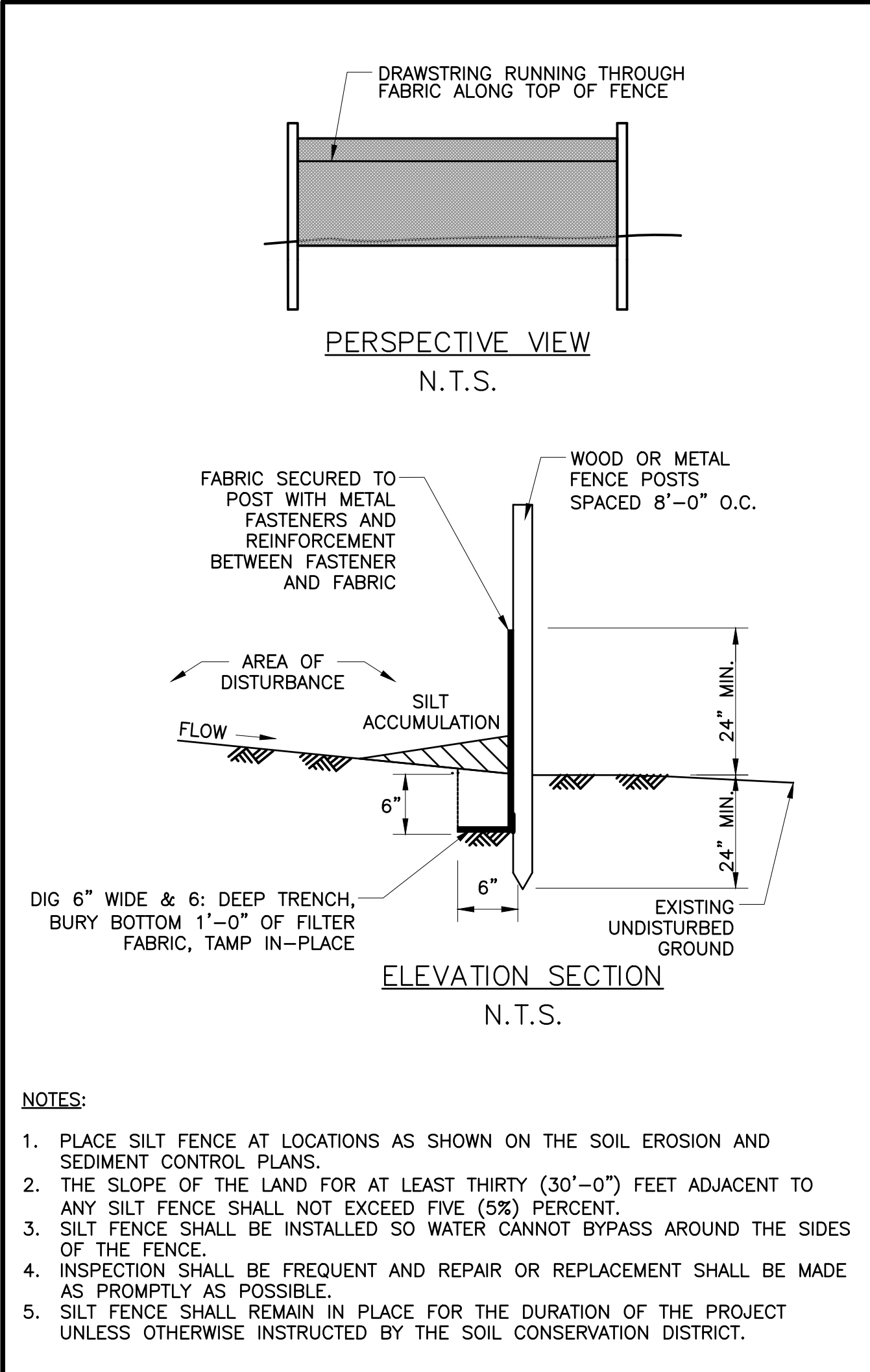
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SHEET NO.

C-07

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PLOT DATE: Nov 20 2023



KEY PLAN (NTS)

NUTLEY MUNICIPAL PLAZA

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NUTLEY, NJ 07110

CIVIL ENGINEERING

L2A PROJECT No. 2201.152

L2A
LAND DESIGN + LLC

66 GRAND AVENUE, 2ND FLOOR
ENGLEWOOD, NJ 07631
Tel: (201) 227-0300
Email: xxx@xxxxxxxxxxxxxxx

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DETAILS - 1

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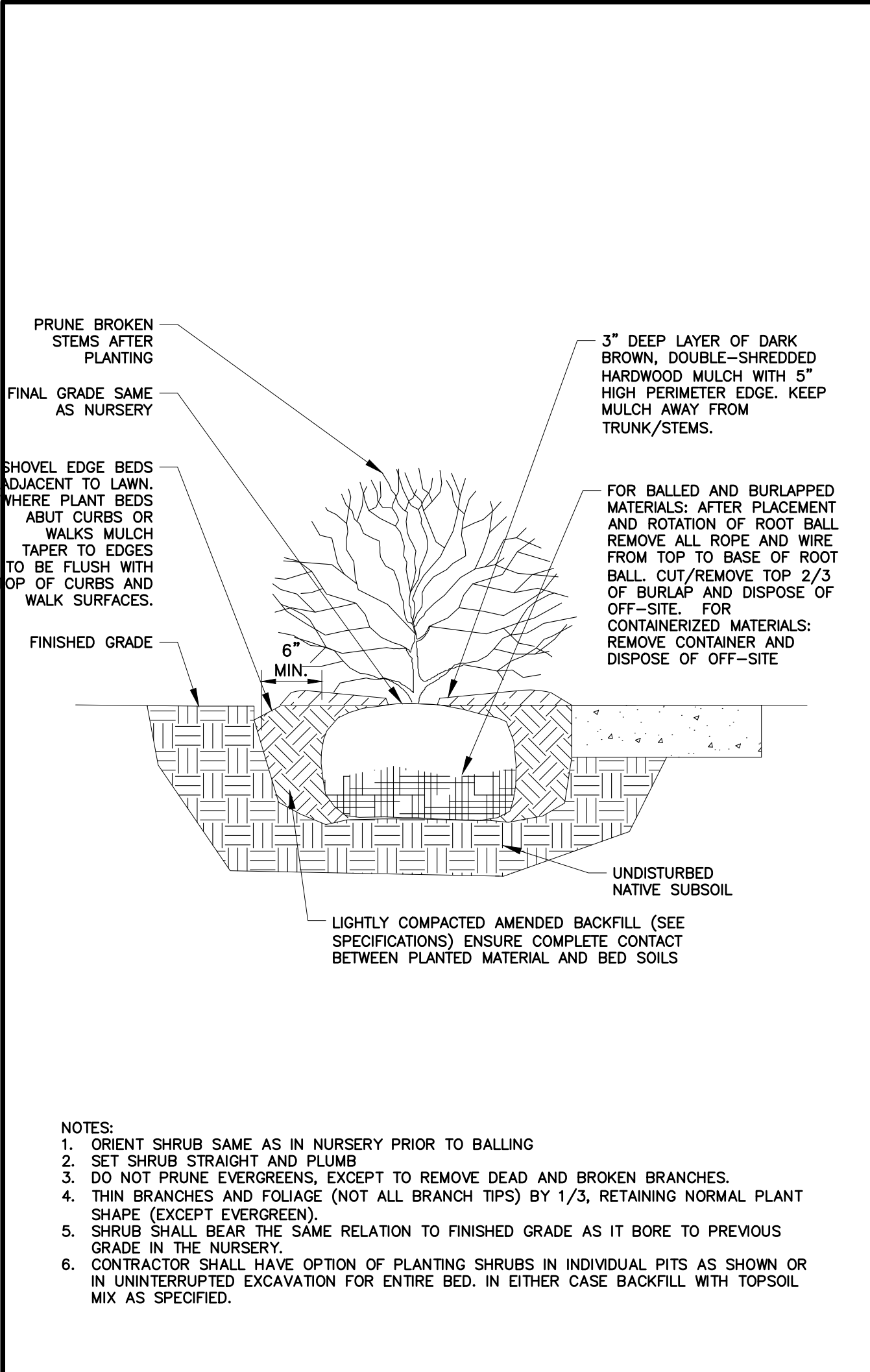
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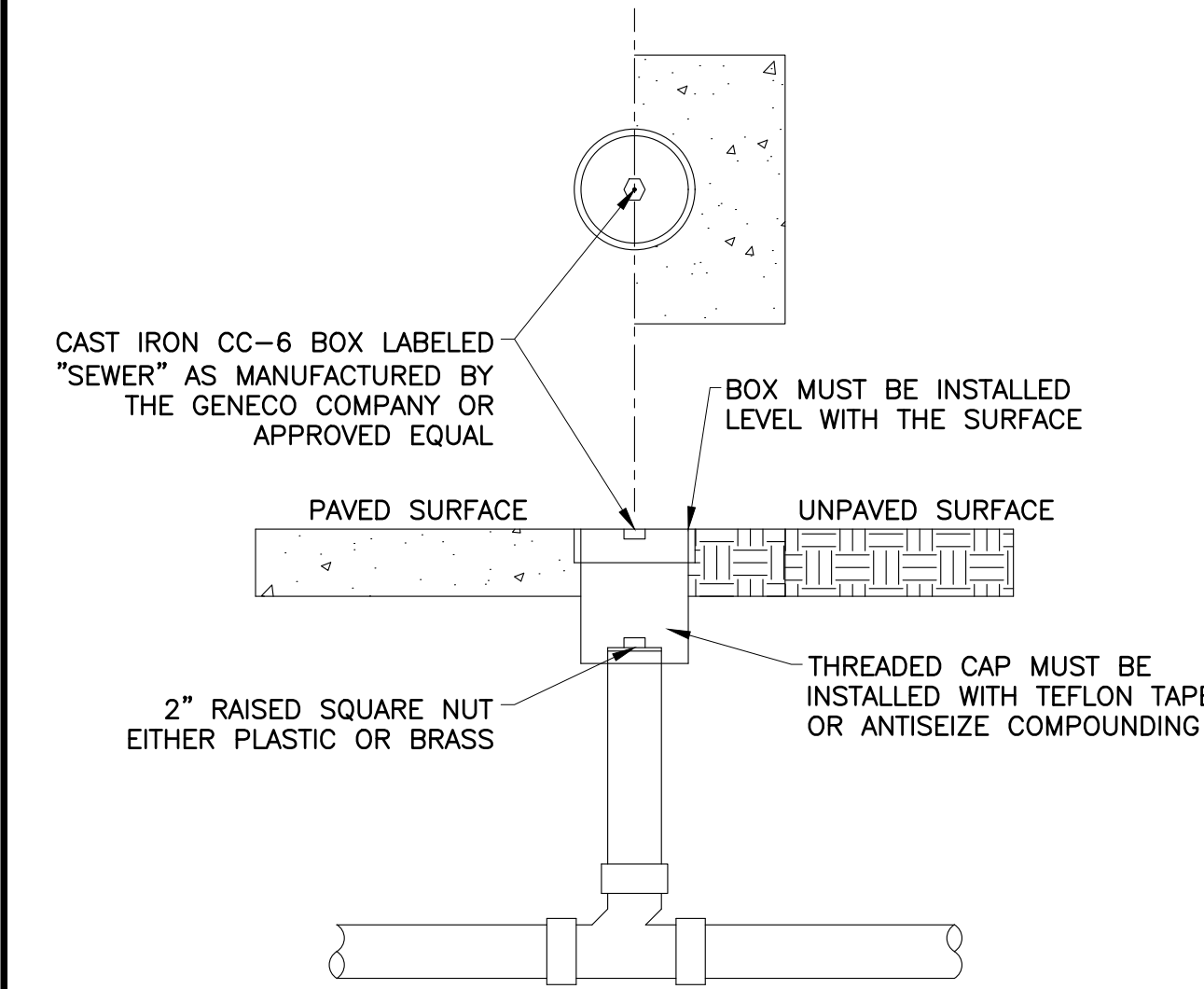
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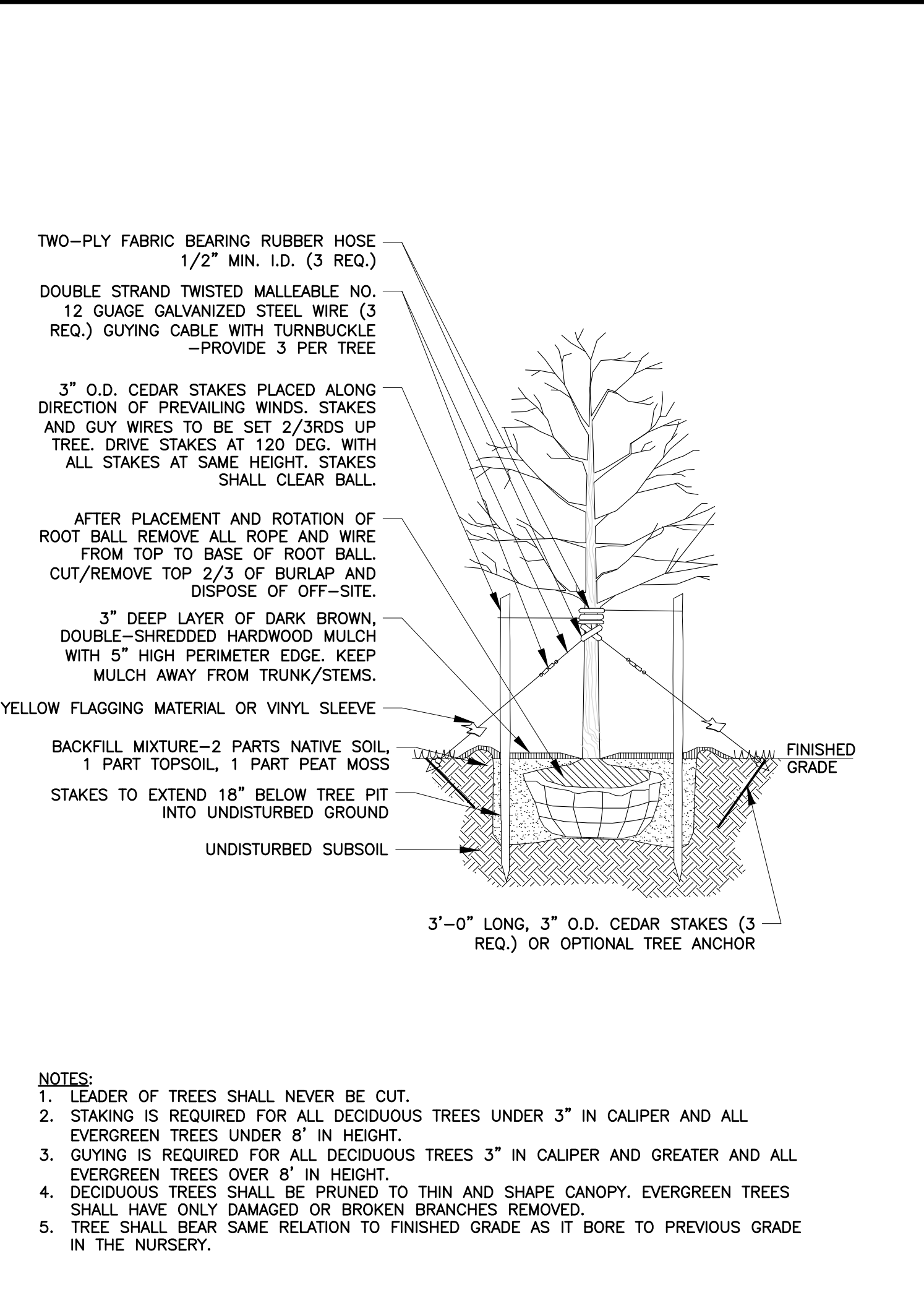
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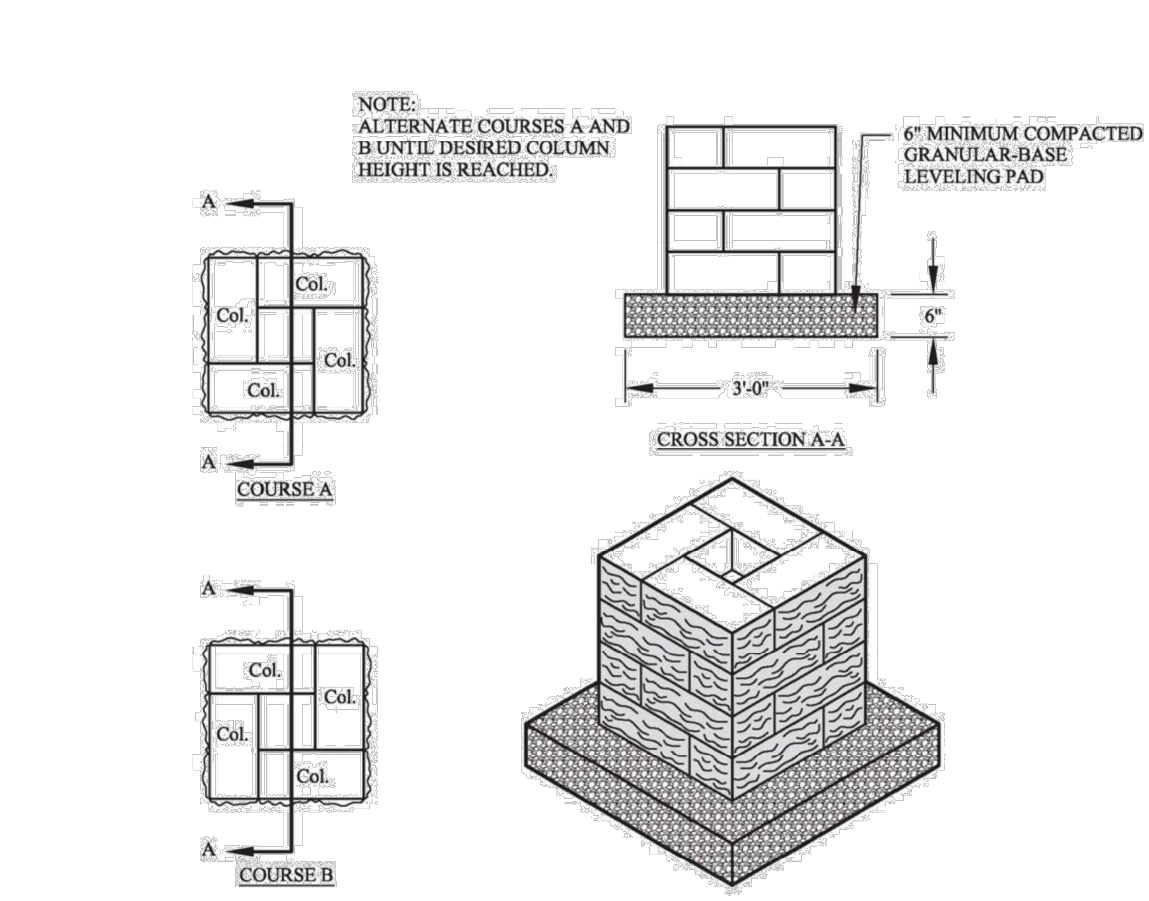
SHRUB PLANTING



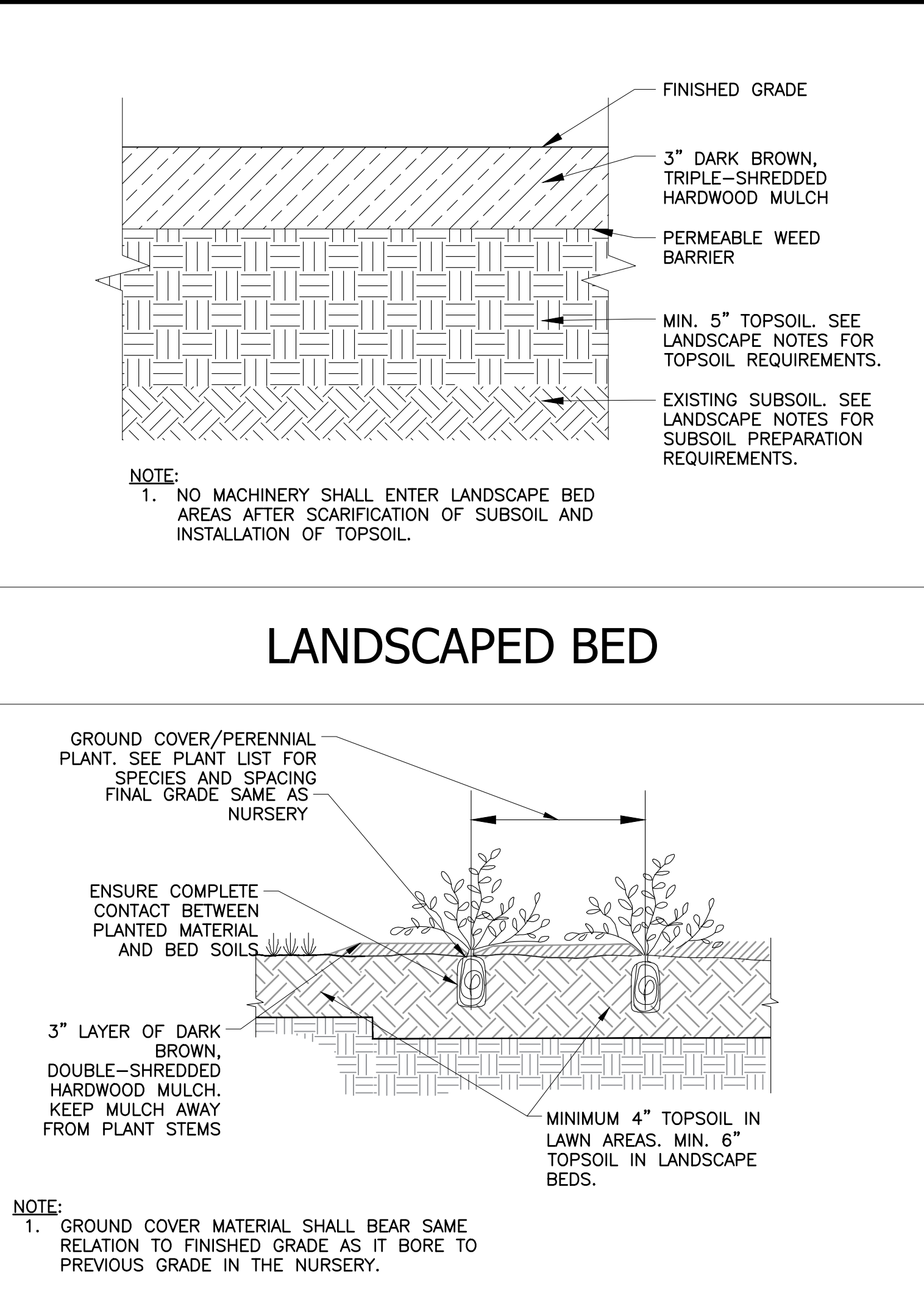
STANDARD PIPE CLEANOUT



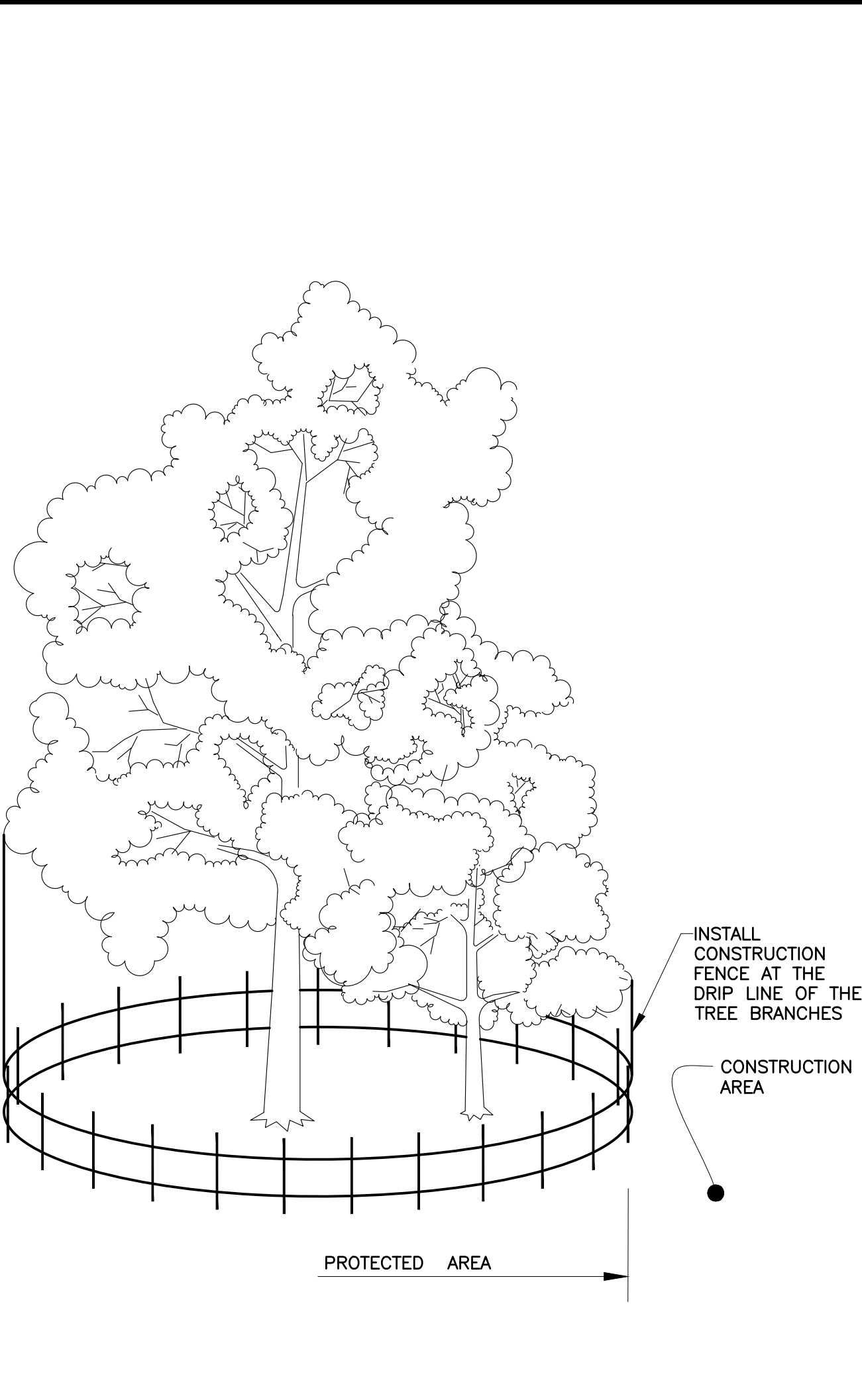
TREE PLANTING



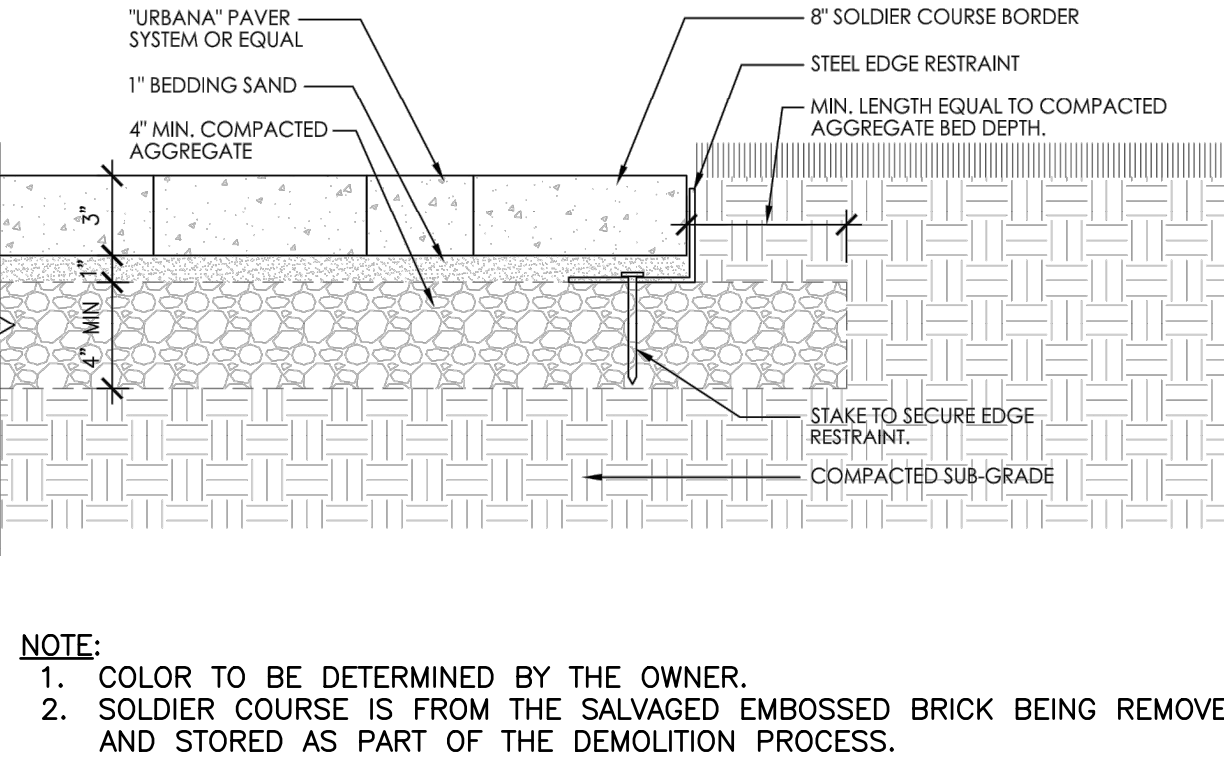
TYPICAL WALL & COLUMN CONSTRUCTION



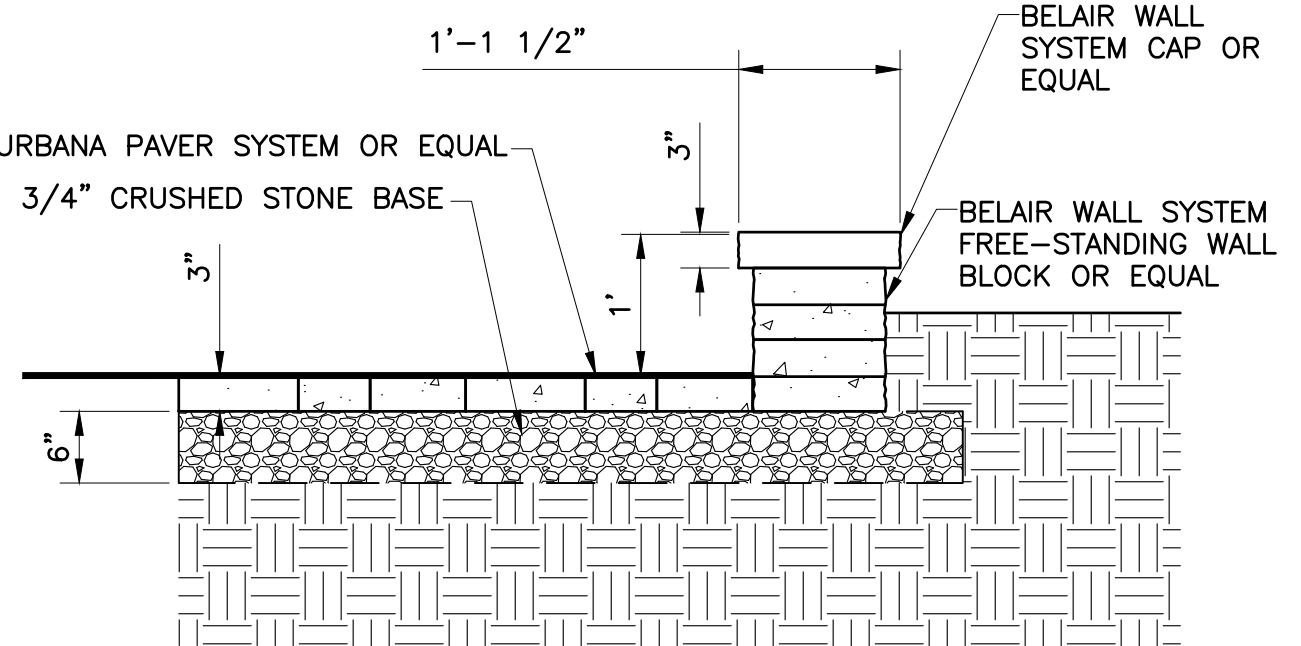
GROUNDCOVER PLANTING



TREE PROTECTION



PAVER PLAZA EDGE



URBANA PAVER/WALL SYSTEM

KEY PLAN (NTS)

NUTLEY MUNICIPAL PLAZA

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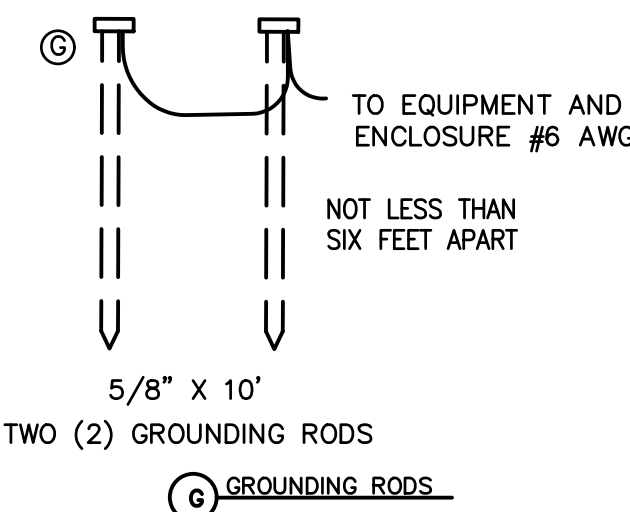
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DETAILS - 2

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PROJECT NO. 5175 SHEET NO. C-09

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Technical drawing of a monument base showing a cross-section. The drawing includes the following labels and specifications:

- A**: Main body of the monument.
- B**: Vertical element on the right side.
- C**: Horizontal element connecting the main body and the vertical element.
- D**: Vertical support element on the left.
- E**: Vertical support element on the right.
- F**: Top horizontal element.
- G**: Reinforcement mesh at the base.

Additional specifications and dimensions:

- 3" TYP. (Typical) dimension for the top horizontal element.
- USE GALVANIZED MOUNTING HARDWARE
- W2.9xW2.9 WIRE REINFORCEMENT MESH (CONCRETE NOTE #5)
- 6" THK. N.J.D.O.T. 4,000 PSI CONCRETE
- 4" THICK 3/4" CLEAN STONE
- EXISTING GRADE (indicated by a hatched line)

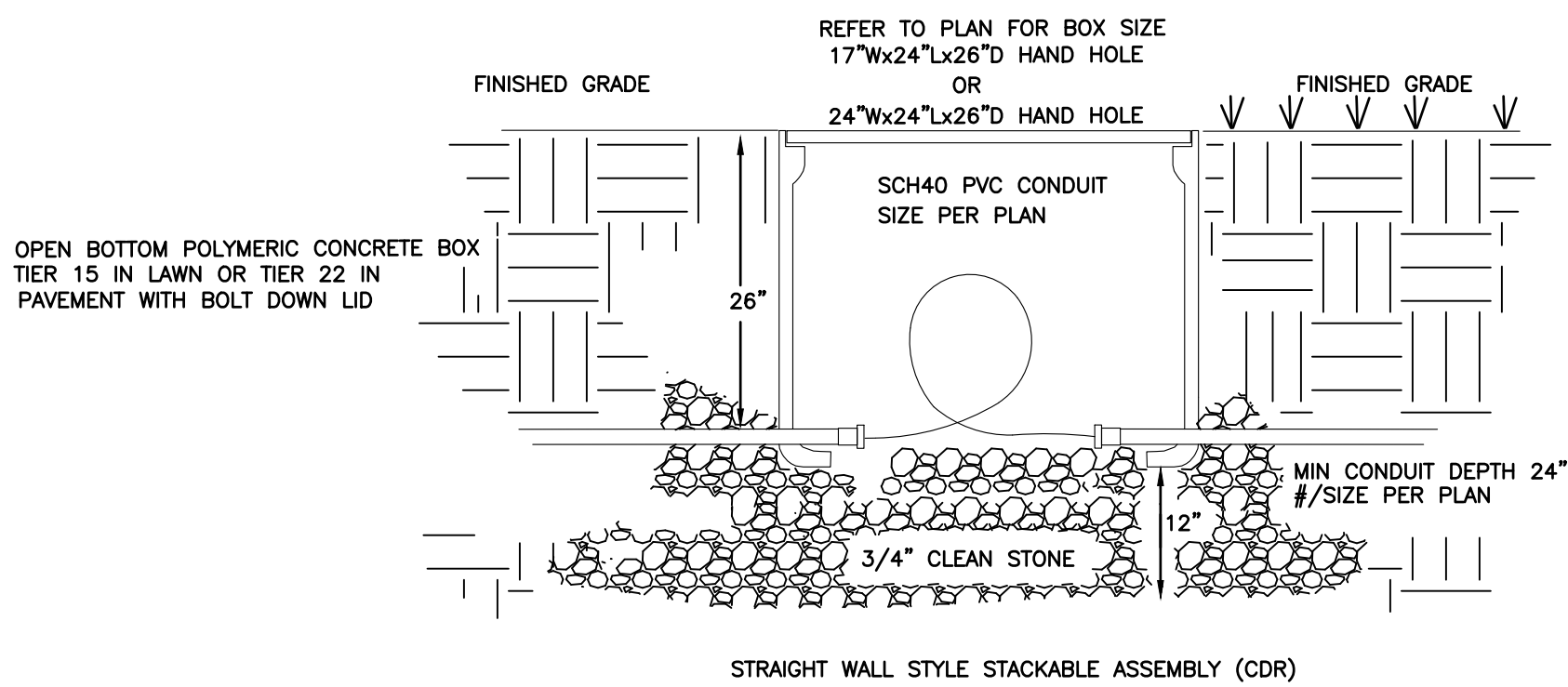
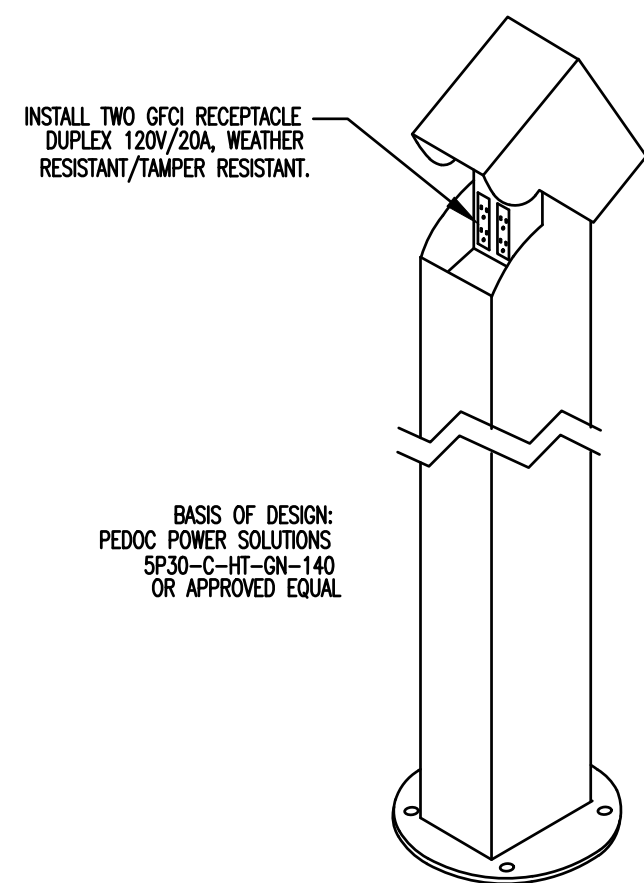
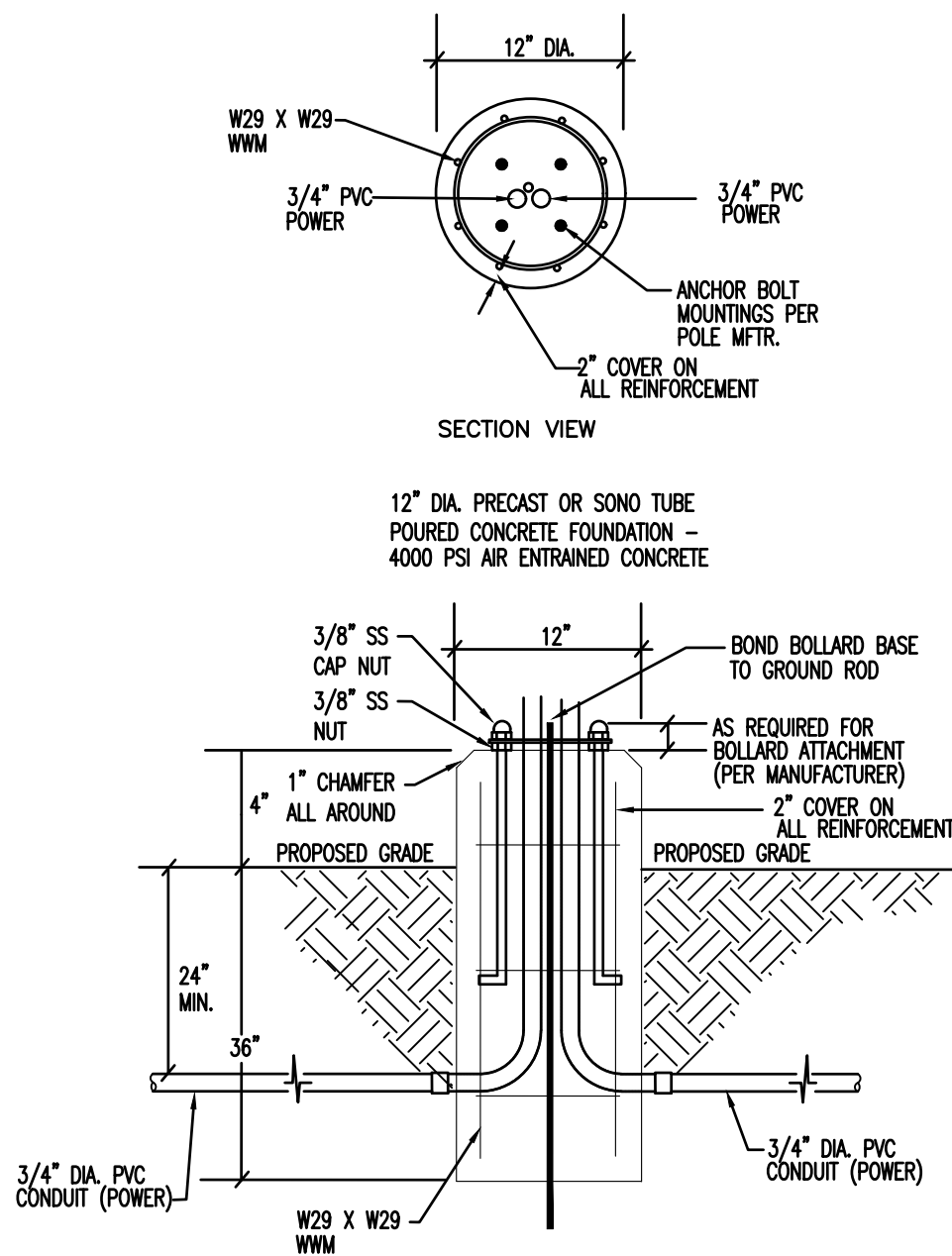
1. PORTLAND CEMENT CONCRETE TO BE NJ DOT, 4,000 PSI, AIR ENTRAINED
2. PROVIDE PREFORMED BITUMINOUS FIBER EXPANSION JOINTS, 1/8" THICK, AT ALL BUILDING WALLS AND ON OTHER SURFACES. THE MAXIMUM SPACING OF EXPANSION JOINTS SHALL BE AS FOLLOWS:
 - 4" THICK SLAB: 16 FT.
 - 6" THICK SLAB: 24 FT.
3. CONTROL JOINTS SHALL BE TOOLED TO A DEPTH OF 25% OF THE SLAB THICKNESS. CONTROL JOINTS MAY BE SAWN OR AN EARLY ENTRY DRY CUT SAW. SAWCUT LINES SHALL CLEAN AND UNCHIPPED. THE MAXIMUM SPACING SHALL BE AS FOLLOWS:
 - 4" THICK SLAB: 8 FT.
 - 6" THICK SLAB: 12 FT.
4. PROVIDE A SLIP RESISTANT FINISH FOR ALL PARKING, AND FREE AND CLEAR ROUTES.
5. STEEL REINFORCEMENT, WHEN SPECIFIED, SHALL BE EPOXY COATED AND PLACED AT THE BOTTOM 1/3 OF SLAB DEPTH.
 - 6" THICK SLAB: 2 INCHES
6. SUBGRADE PER SPECIFICATIONS.
7. ALL JOINTS SHALL BE SEALED WITH EXTERIOR GRADE CONCRETE JOINT SEALER, SUCH AS "CONTRACTORS CONCRETE SEALANT" BY DOW CORNING. SUBSTITUTIONS ARE PERMITTED PROVIDED THAT EQUIVALENCE IS DEMONSTRATED AND COLOR MATCHES ARE COMPARABLE. ALL JOINT SEALANT SHALL BE INSTALLED IN A PROFESSIONAL AND WORKMANLIKE MANNER, TRUE TO LINE AND SHALL NOT WAVEY NOTICEABLY ALONG JOINTS. MAXIMUM CROSS SLOPE FOR SIDEWALKS IS 2%. SEE GRADING PLAN FOR SLOPES IN PLAZAS AND ALL PAVEMENT AREAS.
8. MAX. RUNNING SLOPE ALONG ANY SIDEWALK OR PLAZA IS 6 PERCENT.
9. CONCRETE SHALL BE ALLOWED TO ADJACENT BUILDING FOUNDATION USING #4 GRADE 60 REBARS, MIN. 12" LONG, USE SPEED DOWEL BY GREENSTEAK, OR EQUAL PLACED AT 18" O.C. PROVIDE EXPANSION SLEEVE FOR EACH DOWEL.

1. THE WORK TO BE PERFORMED IN THIS PROJECT INCLUDES PROVIDING REMOTE POWER DISTRIBUTION, MATERIALS LABOR, AND SERVICES NEEDED TO INSTALL POWER PEDESTALS. ANY WORK NOT SPECIFICALLY IDENTIFIED IN THE CONSTRUCTION DOCUMENTS, BUT IS REQUIRED BY APPLICABLE CODES SHALL BE PROVIDED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT ALL WORK CONFORMS TO ALL APPLICABLE CODES.
2. THE CONTRACTOR SHALL SECURE AND FENCE OFF FOR ALL REQUIRED PERMITS.
3. THE CONTRACTOR SHALL ENSURE THE FENCE OF A PRIVATE UNDERGROUND UTILITY LOCATION COMPANY TO MARK-OUT THE LOCATION OF ALL UNDERGROUND UTILITIES IN AREAS WHERE EXCAVATION OR SUBSURFACE PENETRATIONS WILL OCCUR. ALL UTILITIES SHALL BE FIELD VERIFIED BEFORE COMMENCING WITH WORK.
4. THE INSTALLATION, INCLUDING MATERIALS, EQUIPMENT, LABOR, AND WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
5. THE TERM "FURNISH" SHALL MEAN TO OBTAIN AND SUPPLY TO THE JOB SITE. THE TERM "INSTALL" SHALL MEAN TO FIX IN POSITION AND CONNECT FOR OPERATION AND USE. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL. THE TERM "CONTRACTOR" SHALL REFER TO A LICENSED ELECTRICAL CONTRACTOR, WITH NJ DEPT. OF TREASURY DPMC CLASSIFICATION AND EXPERIENCE WITH INSTALLING THE TYPE(S) OF EQUIPMENT DESCRIBED IN THIS PERFORMANCE SPECIFICATION.
6. ELECTRICAL WORK SHALL INCLUDE ALL CONDUCTORS, CONDUIT, GROUNDING CONDUCTORS, SWITCHES, CIRCUIT PROTECTION, SYSTEM CONTROLS AND ALL ELSE NECESSARY AND REQUIRED FOR THE INSTALLATION OF THE REMOTE POWER DISTRIBUTION AND POWER PEDESTALS AS DEPICTED ON THE PLANS AND SPECIFICATIONS.
7. ALL EQUIPMENT AND CONDUITS SHALL BE SECURELY FASTENED TO SUITABLE STRUCTURAL ELEMENTS USING GALVANIZED HARDWARE.
8. ALL WORK SHALL BE INSTALLED CONCEALED UNLESS NOTED OTHERWISE. ALL WIRING SHALL BE INSTALLED IN CONDUIT.
9. CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. DO NOT DISRUPT THE POWER SUPPLY WITHOUT COORDINATING SAME WITH THE OWNER.
10. ALL WALL PENETRATIONS SHALL HAVE FIRE STOP SEALANTS PER CODE. RESTORE ALL CONDUIT TRENCHES AND DISTURBED AREAS TO A "LIKE NEW" CONDITION.
11. ANY DAMAGE TO THE SITE BY THE CONTRACTOR SHALL BE RESTORED IN KIND.

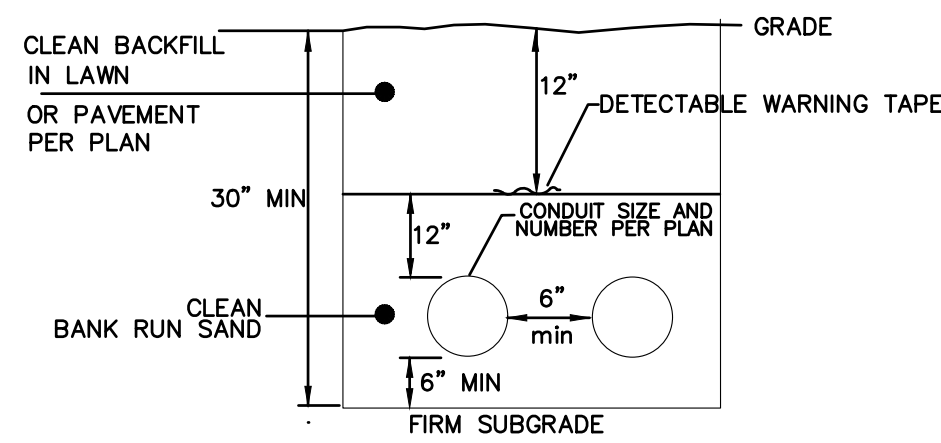
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- 1.) ALL WIRE SIZES SHALL BE CONSIDERED A MINIMUM, AND WERE BASED ON INFORMATION SUPPLIED BY VARIOUS MANUFACTURERS. THE CONTRACTOR'S ELECTRICIAN SHALL SIZE THE CONDUCTORS TO MEET THE REQUIREMENTS OF THE EQUIPMENT AND FIXTURES THAT WILL BE INSTALLED, PER NEC CODE LATEST EDITION AS SUPPLEMENTED BY LOCAL CODE REQUIREMENTS.
- 2.) GROUNDING CONDUCTOR WIRE GAGE MAY BE REDUCED AS PER THE NEC, IF ACCEPTABLE TO THE LOCAL ELECTRICAL SUBCODE OFFICIAL.
- 3.) ELECTRICAL CONTRACTOR TO EVALUATE REMAINING CIRCUITS AND DISTRIBUTE THE LOADS ACROSS THE REMAINING PANELBOARD BREAKERS

REMOTE POWER DISTRIBUTION



- NOTES:
1. BOXES TO BE SET UPON 12" OF CLEAN 3/4" STONE BEDDING.
 2. LOGO ON BOXES "LIGHTING" (L), OR "ELECTRIC" (E), AS APPROPRIATE.
 3. MINIMUM BOX DEPTH SHALL BE 26", UNLESS NOTED ON THE PLAN.
 4. ALL BOXES AND LIDS SHALL BE BOLT DOWN, TIER 22 IN PAVEMENT AREAS. LIDS IN PAVEMENT AREAS MUST ALSO BE HIGHWAY LOAD RATED.
 5. A MINIMUM HAND HOLE SIZE IS SHOWN. THE CONTRACTOR MAY ADJUST THE BOX SIZE, BASED UPON NEC REQUIREMENTS AND AS NEEDED TO FACILITATE CONDUIT INSTALLATION BASED UPON FIELD CONDITIONS.
 6. SUGGESTED HANDHOLE LOCATIONS AND CONDUIT ROUTES ARE SHOWN ON THE PLANS. THESE LOCATIONS MAY BE ADJUSTED TO MEET FIELD CONDITIONS, WITH OWNER APPROVAL.
 7. BASIS OF DESIGN HAND HOLE PRODUCT IS AN OPEN BOTTOM POLYMERIC HANDHOLE, QUAZITE STACKABLE TIER 22 BOX BY HUBBELL PRODUCTS OR APPROVED EQUAL. PROVIDE BOLT DOWN HIGHWAY-RATED LID.
 8. A TIER 15 BOX MAY BE USED IN LAWN AREAS NOT SUBJECT TO VEHICULAR LOADING.



ALL CONDUIT SHALL BE SCH40 SOLVENT WELDED
ALL CONDUIT SPACING SHALL BE PER NEC.
DO NOT RUN DATA CONDUITS
IN ELECTRICAL HAND HOLES

POWER PEDESTAL

HANDHOLE

CONDUIT TRENCH

NUTLEY MUNICIPAL PLAZA

1 KENNEDY DRIVE
NUTLEY, NJ 07110

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FERNANDO ROBLEDO	NY - 033804
JANET PINI	NJ - AI 02102900

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777 Terrace Avenue, Suite 607
Hasbrouck Heights, New Jersey 07604
Tel 201-288-2600 || Fax 201-288-2662

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DETAILS - 3

DATE:		DRN	CHK	DESCRIPTION
02-06-2024				BID SET
REV.	DATE:	DRN	CHK	DESCRIPTION
1	3/21/23	ME	MD	GENERAL REVISIONS
2	11/17/23	ME	MD	ELEC. REVISIONS/DETAILS

PROJECT NO.

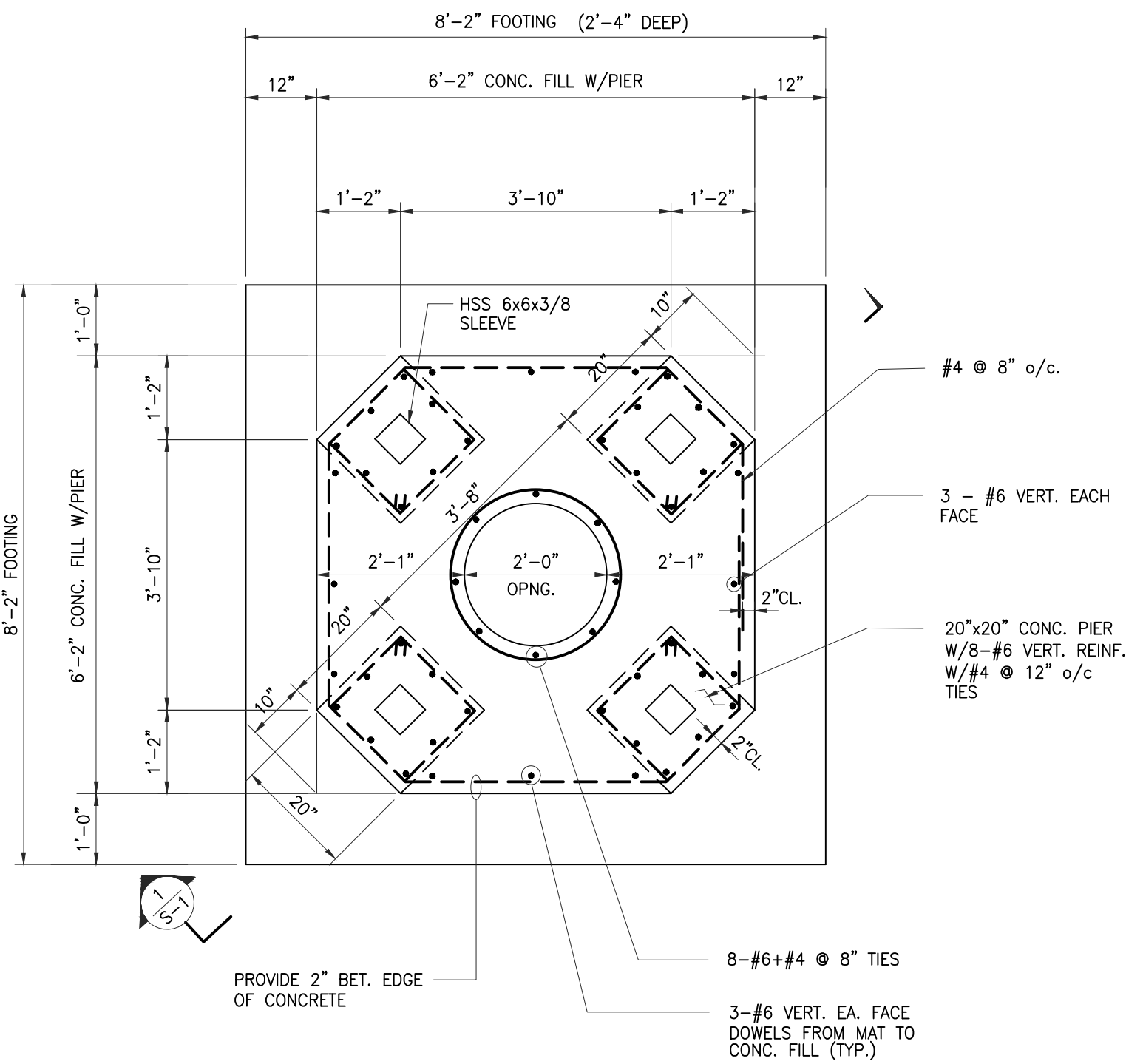
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SHEET NO.

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PLOT DATE: Nov 20 202

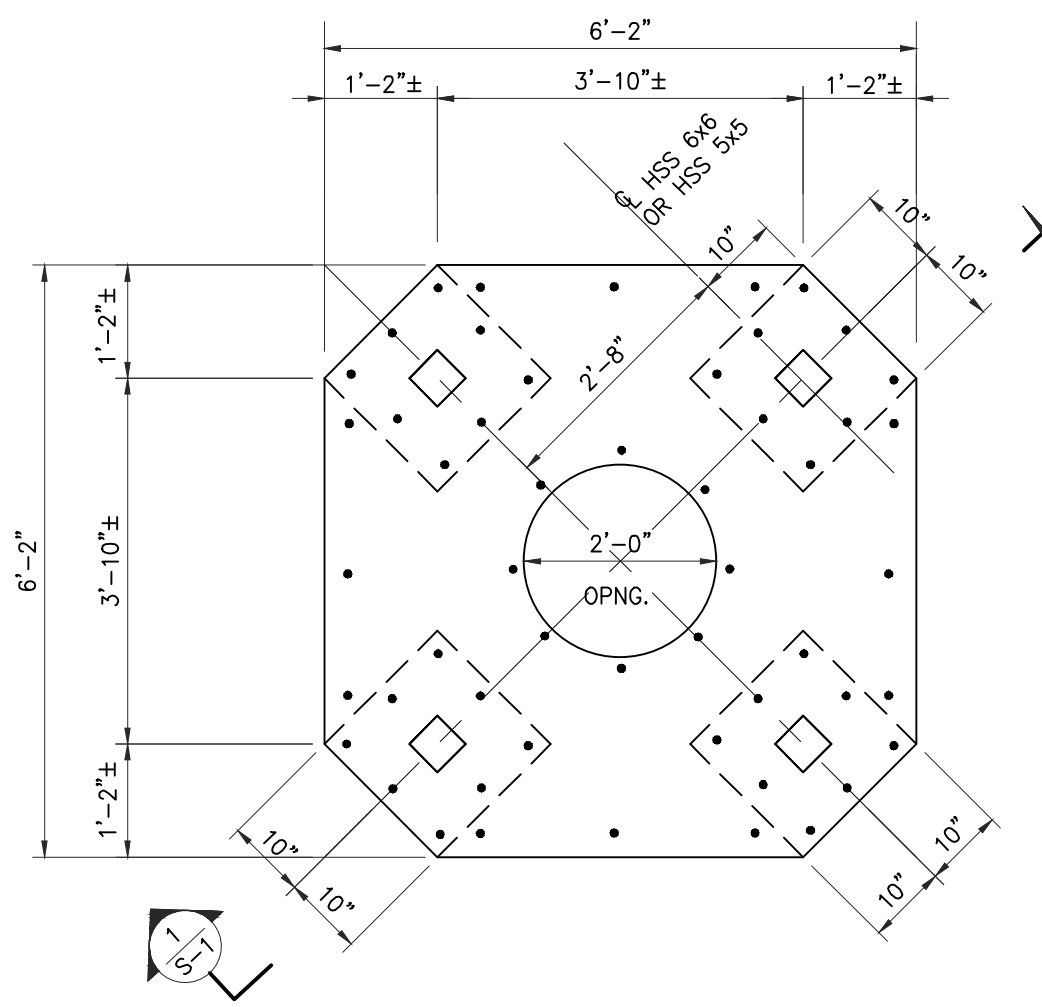


FOUNDATION PLAN

SCALE: 1/2" = 1'-0"

NOTES:

- BOTTOM OF ALL FOOTING SHALL REST ON 4000 PSF MIN. SOIL BEARING CAPACITY. SOIL ENGINEER PAID FOR BY THE OWNER MUST VERIFY ALL FOOTING BOTTOMS PRIOR TO POURING ANY CONCRETE IN FOOTING.
- HSS 6x6x3/8 SLEEVE (GALV.) WILL BE FURNISHED WITH REMOVABLE COVER SEE DETAIL 2/S-1
- COLUMN HSS 5x5x3/8 (GALV.) TO BE FURNISHED AS A PART OF THIS CONTRACT, TO BE USED DURING HOLIDAY SEASON.

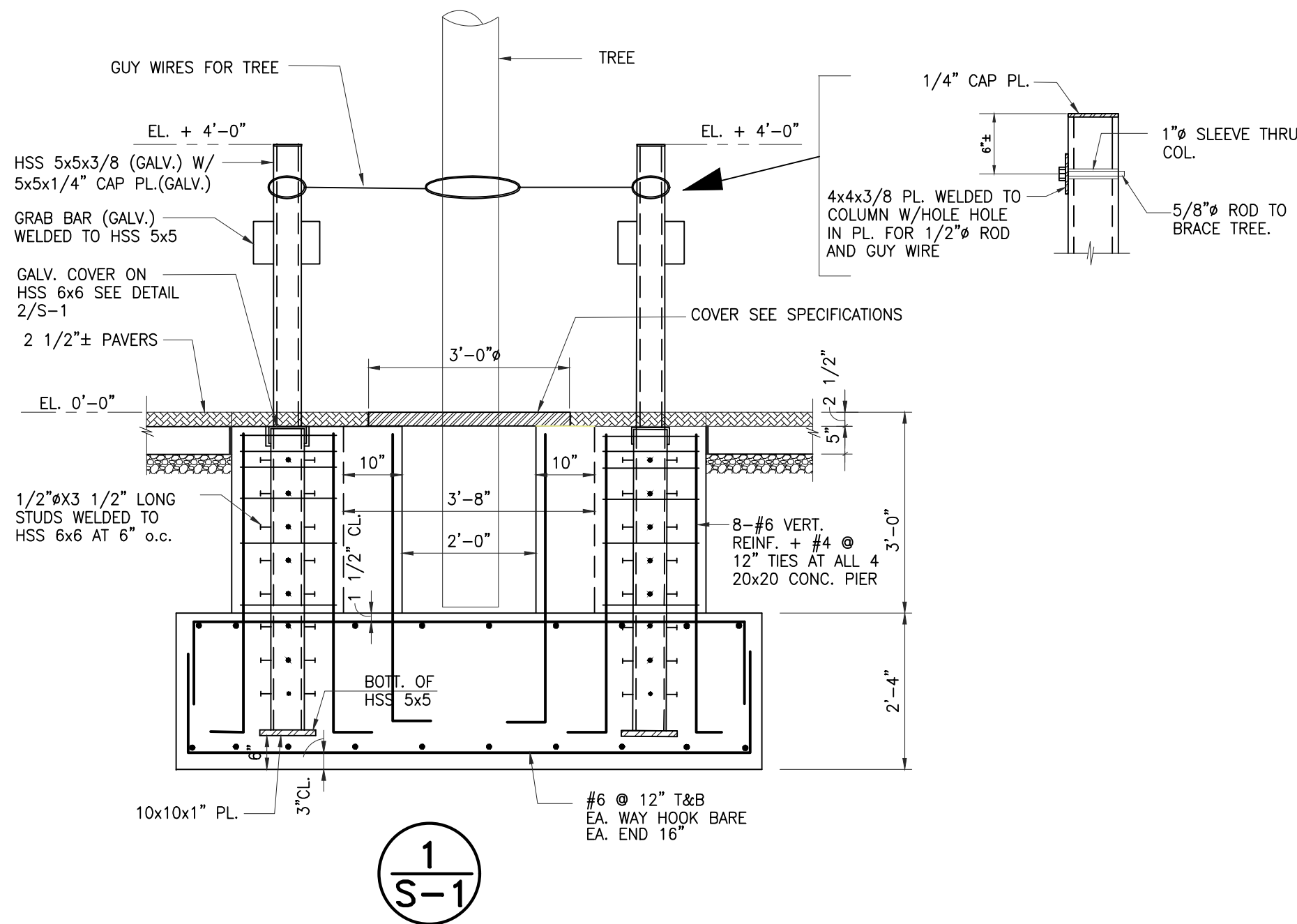


PIER PLAN

SCALE: 1/2" = 1'-0"

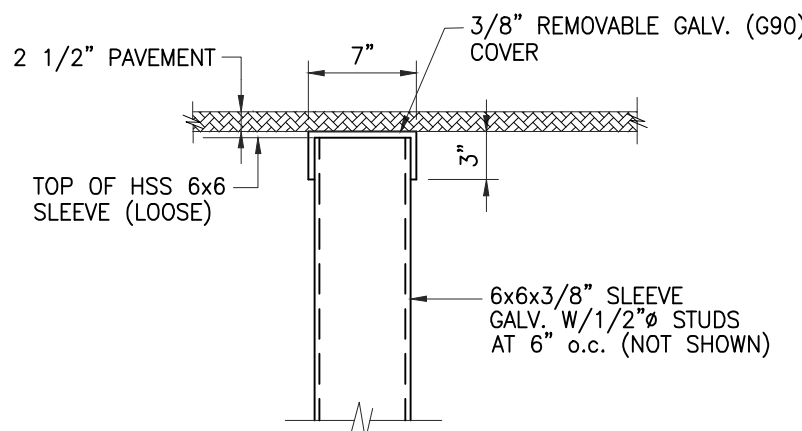
NOTES:

- 4- 20"x20" CONC. PIER W/8-#6 VERT. REINF. + #4 @ 12" TIES.
- 4- HSS 5x5x5/16" GALV. COL'S. W/1/4" COVER PL.
- AS PER IBC ALL CONCRETE IS SUBJECTED TO INSPECTION AND TESTING. TESTING LAD RETAINED BY THE OWNER WILL TEST ALL CONCRETE.
- TIES AROUND 20x20 CONC. PIER - 6'-2" CONCRETE AND AROUND 2'-0" OPENING IN MIDDLE NOT SHOWN REFER TO FOUNDATION PLAN



NOTE:

- ALL STRUCTURAL STEEL COLUMNS ARE GALVANIZED
- TOP OF HSS 6x6 (SLEEVE) IS COVERED WITH 3/8" REMOVABLE GALV. (G90) COVER



2
S-1

3/8" GALV. COVER IS REMOVABLE AND SHALL NOT BE MECHANICALLY FASTENED TO HSS 6x6 SLEEVE.

GENERAL

- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND CHECK ALL MEASUREMENTS ON JOB AND SHALL BE RESPONSIBLE FOR SAME.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT BUILDING CODE AND SAFETY REGULATIONS OF AUTHORITIES.
- THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH SPECIFICATIONS, ARCHITECTURAL AND MECHANICAL DRAWINGS.
- APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE CONTRACTOR OF ANY CONTRACT REQUIREMENTS, EVEN IF SUCH ITEMS ARE NOT SHOWN ON SHOP DRAWINGS.
- ALL REVISIONS TO SHOP DRAWINGS AFTER FIRST SUBMISSION MUST BE SO IDENTIFIED ON SUBSEQUENT SUBMISSIONS.
- REPRODUCTION OF STRUCTURAL CONTRACT DRAWINGS ARE NOT TO BE SUBMITTED AS SHOP DRAWINGS.

CONCRETE

- ALL CONCRETE SHALL BE CONTROLLED CONCRETE COMPLYING WITH ALL ACI BUILDING CODE REQUIREMENTS OF A MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:
 - FOR 4000 PSI CONCRETE USE MIN. 550 LBS OF CEMENT FOR EACH CUBIC YARD OF CONCRETE- CEMENT SUBSTITUTE WILL NOT BE ACCEPTED.
 - USE WATER REDUCING ADMIXTURE IN ALL CONCRETE MAX. SLUMP 4"+1"
 - USE SUPER PLASTICIZER IN ALL PUMPED CONCRETE. MAX. SLUMP 7"+1"
 - CONCRETE CONTRACTOR MUST SUBMIT ALL DESIGN MIX TO ARCHITECT FOR REVIEW DURING CONSTRUCTION: ONE SLUMP FROM EACH TRUCK LOAD OF CONCRETE, FOUR CYLINDERS FOR EACH 40 YARDS OF CONCRETE OR FRACTION THERE OF. TEST 2 CYLINDERS AFTER 7 DAYS
TEST 2 CYLINDERS AFTER 28 DAYS
- ALL REINFORCING BARS SHALL BE NEW BILLET STEEL, DEFORMED TYPE, ASTM A-615 GRADE 60 AND SHALL COMPLY WITH ALL ACI CODE REQUIREMENTS.
- LENGTH OF REINFORCING SPLICES SHALL CONFORM TO ACI BUILDING CODE REQUIREMENTS, BUT IN NO CASE SHALL BE LESS THAN 30 BAR DIAMETERS, OR AS OTHERWISE APPROVED BY THE ENGINEER.
- CONCRETE PROTECTION FOR REINFORCING BARS SHALL BE AS FOLLOWS:
 - WALLS, INSIDE FACE --- 1"
 - WALLS, EXTERIOR FACE (AGAINST EARTH) --- 2"
 - CONCRETE PLACED ON EARTH --- 3"

STRUCTURAL STEEL

- THE STRUCTURAL STEEL CONTRACTOR SHALL VERIFY THE FOUNDATION CONSTRUCTION FOR ANCHOR BOLT LOCATION, ELEVATION OF TOP OF CONCRETE AND BEARING PLATES, ALIGNMENT, ETC., PRIOR TO START OF ERECTION.
- ALL STRUCTURAL STEEL FRAMING SHALL CONFORM WITH THE LATEST STANDARD OF AISC IN CONNECTION WITH THE MANUFACTURE, DETAILING, FABRICATION, DELIVERY AND ERECTION OF ALL STRUCTURAL STEEL SHAPES. SAID FRAMING ASSEMBLY AND ERECTION SHALL ALSO COMPLY WITH THE REQUIREMENTS FOR WELDED OR BOLTED CONNECTIONS FOR BUILDINGS, AS OUTLINED BY AISC.
- MATERIALS:
 - COLD FORMED STRUCTURAL STEEL "HSS":
ASTM A-500, GRADE B, Fy=46 KSI FOR RECTANGULAR HSS
- ALL WELDS SHALL CONFORM WITH THE AWS CODE.
- ALL HSS 5x5x5/16 WITH 1/4" CAP PLATE (G90) GALVANIZED ARE REQUIRED FOR X- MAS HOLIDAY SEASON. ALL HSS 6x6x5/16 WITH 10x10 BASE PLATE (G90) GALV. ARE PART OF CONCRETE STRUCTURE.

KEY PLAN:

NUTLEY MUNICIPAL PLAZA

1 KENNEDY DRIVE
NUTLEY, NJ 07110

RAJNIKANT DOSHI N.J. P.E. #24GE01749100
CEC INC.
CONSULTING ENGINEERS COLLABORATIVE, INC.
730 BOULEVARD KENILWORTH, NJ 07033
PHONE: 908-288-1600

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