PUBLIC BID #3758

NEW BRITAIN
ATHLETIC FIELD IMPROVEMENTS

CHESLEY PARK

95 WILDWOOD STREET

&

VETERANS' MEMORIAL STADIUM

635 SOUTH MAIN STREET

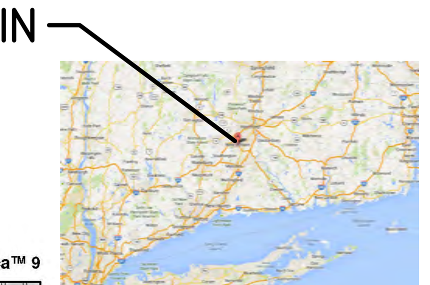
DRAWING LIST

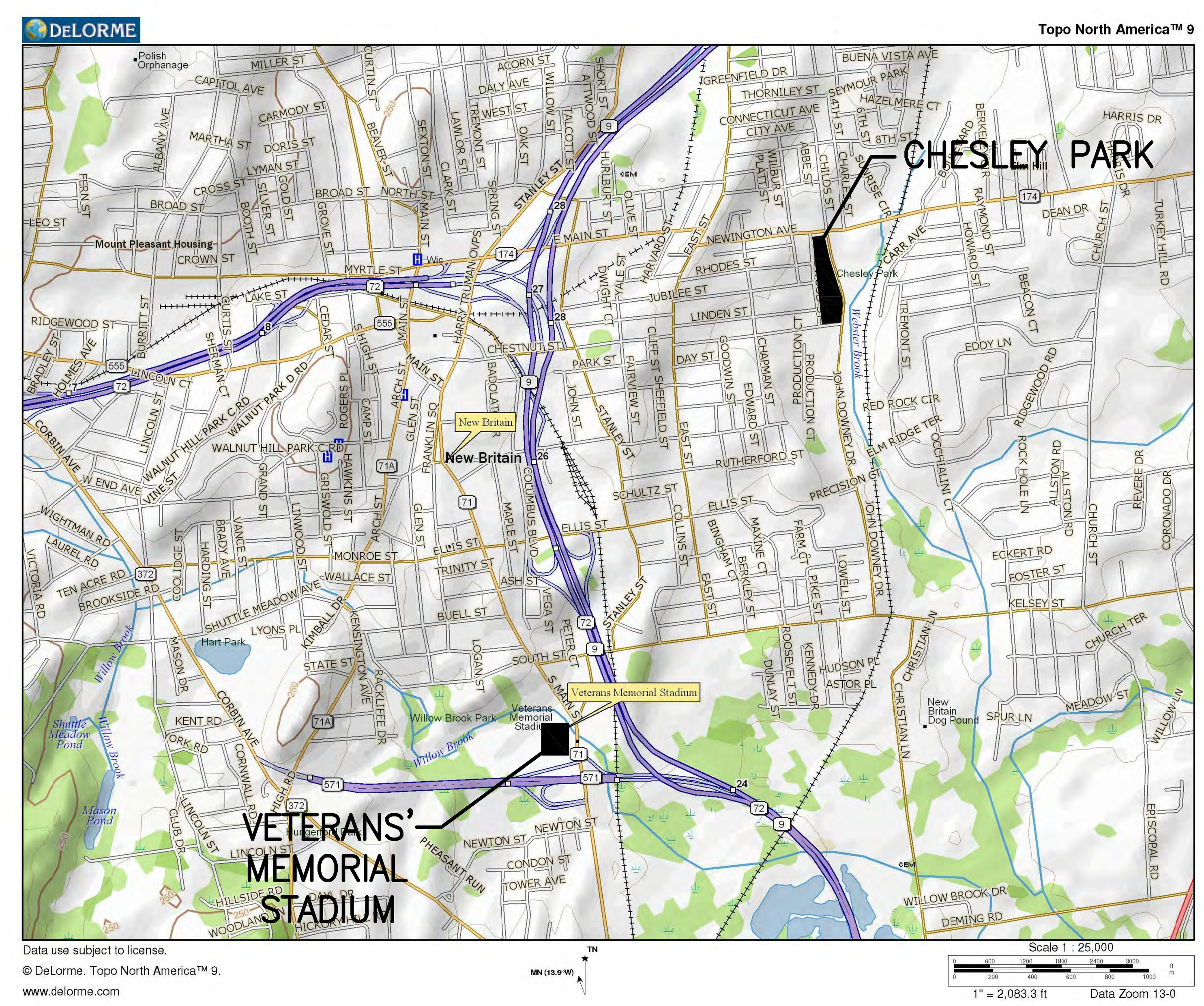
GENERAL

CHESLEY PARK

VETERANS' MEMORIAL STADIUM

LOCUS





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NEW BRITAIN ATHLETIC FIELD IMPROVEMENTS

NEW BRITAIN, CONNECTICUT

CURRENT ISSUE STATUS:

ISSUED FOR BIDDING/CONSTRUCTION
11–25–13

REV	DESCRIPTION	DATE
0	ISSUED FOR BIDDING/CONSTRUCTION	11–25–13

GRAPHIC SCALE:
0" 1"

SCALE:	NOT TO SCALE
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	GI001–13096–01
PROJECT NO:	13096
DATE:	11–25–13

SHEET TITLE:

COVER SHEET

SHEET No.

GI001

SITE ABBREVIATIONS

ABBREVIATION	
ALT	ALTERNATE
BFS	BEGIN FULL SUPER
BNC	BEGIN NORMAL CROWN
BNS	BEGIN NORMAL SHOULDER
BOA	BEGINNING OF ALIGNMENT
BOC	BOTTOM OF CURB
BOW	BOTTOM OF WALL
CIP	CAST-IN-PLACE
℄	CENTER LINE
CLL	CONTRACT LIMITS LINE
CS	CURVE-SPIRAL INTERSECT
DI	DEIONIZED
DL	DEAD LOAD
DECREASING	STATION EQUATION DECREASING
ECB	EXISTING CATCH BASIN
EFS	END FULL SUPER
ENC	END NORMAL CROWN
ENS	END NORMAL SHOULDER
EOA	END OF ALIGNMENT
EVC	VERTICAL CURVE-TANGENT INTERSECT
EVCE	VERTICAL CURVE-TANGENT INTERSECT ELEVATION
EVCS	VERTICAL CURVE-TANGENT INTERSECT STATION
EVP	PROFILE END
FFE	FINISHED FLOOR ELEVATION
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
HC	HANDICAPPED
HMA	HOT MIX ASPHALT
HP	HIGH POINT
ID	INSIDE DIAMETER
INCREASING	STATION EQUATION INCREASING
K	CURVE COEFFICIENT
L	LENGTH
LC	LEVEL CROWN
LL	LIVE LOAD
LP	LOW POINT
LT	LEFT
LSM	LOW SHOULDER MATCH
MAN	MANUAL
MISC	MISCELLANEOUS
NSD	NEW STORM DRAIN (LINE)
NSS	NEW SANITARY SEWER (LINE)
NTS	NOT TO SCALE
NW	NEW WATER (LINE)
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OHP	OVERALL HIGH POINT
OLP	OVERALL LOW POINT
PC	TANGENT-CURVE INTERSECT
PCC	COMPOUND CURVE-CURVE INTERSECT
ℙ	PLATE
PI	TANGENT-TANGENT INTERSECT
PPE	PERMANENT POOL ELEVATION
PRC	REVERSE CURVE-CURVE INTERSECT
PT	CURVE-TANGENT INTERSECT
PVI	POINT OF VERTICAL INTERSECTION
QC	QUICK COUPLER
R	RADIUS
RC	REVERSE CROWN
RE	REFER (TO)
ROW	RIGHT-OF-WAY
RT	RIGHT
S	SLOPE
SIM.	SIMILAR
STA	STATION
T & B	TOP & BOTTOM
TO	TOP OF
TOC	TOP OF CURB / TOP OF CONCRETE
TOW	TOP OF WALL
TP	TEST PIT
TYP.	TYPICAL
UG	UNDERGROUND
W/	WITH
W/O	WITHOUT

SITE LEGEND

EXISTING		PROPOSED			
BODY OF WATER/STREAM		BOLLARD		RETAINING WALL	
BOLLARD		BUILDING W/ DOOR		RIPRAP	
BORING		BUILDING CANOPY		ROADWAY	
BUILDING W/ DOOR		CATCH BASIN		ROADWAY CENTER LINE	
BUILDING CANOPY		CHECKDAM – STONE		SANITARY SEWER PIPE	S
CATCH BASIN		COMMUNICATIONS LINE–OH	T	SANITARY SEWER MANHOLE	
CHECKDAM – STONE		COMMUNICATIONS LINE–UG	TC	SETBACK	
COMMUNICATIONS LINE–OH	T	CONCRETE PAD		SIGN	
COMMUNICATIONS LINE–UG	TC	CULVERT		SIGN – TWO-SIDED	
CONCRETE PAD		CURB – FLUSH		SILT FENCE	SF
CULVERT		CURB – SLOPED GRANITE		SLOPE NOTATION	S = .01
EASEMENT		CURB – VERT GRANITE		SPRINKLER	
ELECTRIC MANHOLE		DETENTION POND		STONE WALL	
ELECTRIC – OVERHEAD	E	DIRECTION OF FLOW		STORM DRAIN PIPE	SD SD
ELECTRIC – UNDERGROUND	E	DITCH		TELEPHONE EQUIPMENT	
ELEVATION – SPOT	+100.0	DRAIN INLET		TEST PIT	
FENCE – CHAINLINK	X	DRAIN MANHOLE		TRAFFIC ARM & SIGNAL	
FENCE – ORNAMENTAL		DRIP STRIP		TRANSFORMER ON CONC	T
FIRE HYDRANT		EASEMENT		TURF	
GAS LINE	GAS	ELECTRIC MANHOLE		UNDERDRAIN PIPE	UD UD UD UD
GAS VALVE		ELECTRIC – OVERHEAD		UTILITY POLE	
GRAVEL DRIVE		ELECTRIC – UNDERGROUND	E	WALKWAY – BITUMINOUS	
HIGH POINT ELEVATION	+HP	ELEVATION BOT OF CURB	+BC	WALKWAY – BRICK/COBBLE	
LIGHT POLE		ELEVATION BOT OF STEP	+BS	WALKWAY – CONCRETE	
LOW POINT ELEVATION	+LP	ELEVATION TOP OF CURB	+TC	WALL – ORNAMENTAL	
MAJOR CONTOUR	100	ELEVATION TOP OF STEP	+TS	WATER GATE VALVE	
MINOR CONTOUR	100	ELEVATION – SPOT	+100.0	WATER PIPE (DOMESTIC)	W W
PARKING AREA–BITUMINOUS		EROSION CONTROL MESH		WATER PIPE (FIRE)	F
PROPERTY LINE		FENCE – CHAINLINK		WATER SHUTOFF	
PROPERTY LINE – ABUTTER		FENCE – ORNAMENTAL		YARD HYDRANT	
RETAINING WALL		FIRE HYDRANT			
RIPRAP		FLAG POLE		**SITE IMPROVEMENTS LEGEND**	
ROADWAY		FORCE MAIN PIPE	SFM	BENCH	
ROADWAY CENTER LINE		FOUNDATION DRAIN	FD	BICYCLE RACK	
SANITARY SEWER PIPE	S	GAS & FUEL EQUIPMENT		DUMPSTER	
SANITARY SEWER MANHOLE		GAS LINE	GAS	PICNIC TABLE	
SETBACK		GAS VALVE		TRASH RECEPTACLE	
SIGN		GENERATOR ON CONC PAD			
SOIL TYPE BOUNDARY		GRAVEL DRIVE		**PLANTING LEGEND**	
STONE WALL		GUARDRAIL		DECIDUOUS SHADE TREE	
STORM DRAIN PIPE	SD SD	HIGH POINT ELEVATION	+HP	DECIDUOUS SHRUB	
TEST PIT		IRRIGATION PIPING		EVERGREEN SHRUB	
UNDERDRAIN PIPE		LANDMARK SIGN		EVERGREEN TREE	
UTILITY POLE		LIGHT – BOLLARD		GROUND COVER	
WALKWAY – BITUMINOUS		LIGHT POLE		PERENNIAL BED	
WALKWAY – CONCRETE		LIGHT – SPOT/WALL		SHRUB MASS	
WALL – ORNAMENTAL		LIMIT OF WORK		SMALL DECIDUOUS TREE	
WATER GATE VALVE		LOW POINT ELEVATION	+LP	TREE LINE	
WATER PIPE (DOMESTIC)	W W	MAJOR CONTOUR	100	NOTE: THIS LEGEND IS FOR REFERENCE ONLY AND APPLIES ONLY TO THE CIVIL/SITE LAYOUT DRAWINGS. NOT ALL ITEMS SHOWN HEREIN MAY APPEAR ON THE DRAWINGS, OR BE INCORPORATED IN THE DESIGN.	
WATER PIPE (FIRE)	F	MINOR CONTOUR	102		
WATER SHUTOFF		PARKING AREA–BITUMINOUS			
WATERSHED BOUNDARY		PAVEMENT STRIPING			
WETLAND BOUNDARY		PROPERTY LINE			

GENERAL LAYOUT NOTES:

1. DO NOT SCALE THE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY OMISSIONS IN DIMENSIONING SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT FOR DECISION. ANY DISCREPANCIES BETWEEN DRAWINGS, DETAILS, NOTES, AND SPECIFICATIONS SHALL IMMEDIATELY BE REPORTED TO THE ARCHITECT FOR FURTHER DIRECTION AND RESOLUTION BEFORE ANY ADDITIONAL WORK PROCEEDS.
2. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
3. ALL PAVING, CURBS, AND STRUCTURES SHALL BE STAKED OUT BY THE CONTRACTOR AND APPROVED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
4. ALL DIMENSIONS FROM CURBS ARE TO FACE OF CURB.
5. PROVIDE A SMOOTH TRANSITION WHERE NEW WORK MEETS EXISTING WORK.
6. CONTRACTOR SHALL NOTIFY DIG-SAFE (1-800-922-4455) AND LOCAL UTILITY COMPANIES TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION.
7. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR WORK SHOWN ON THESE PLANS.
8. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS AND MEET OR EXCEED TOWN OF NEW MILFORD STANDARDS.
9. PROVIDE TAPERED END SECTIONS AT ALL CURB ENDS.
10. EXISTING CONDITIONS AND TOPOGRAPHIC DATA FOR CHESLEY PARK ARE BASED UPON "TOPOGRAPHIC SURVEY – PORTION OF CHESLEY PARK" PREPARED BY BOLDUC LAND CONSULTANTS, LLC., MERIDEN, CT AND DATED SEPTEMBER 6, 2013. EXISTING CONDITIONS AND TOPOGRAPHIC DATA FOR VETERANS' MEMORIAL STADIUM ARE BASED UPON "TOPOGRAPHIC SURVEY – PORTION OF WILLOWBROOK PARK" PREPARED BY BOLDUC LAND CONSULTANTS, LLC., AND DATED SEPTEMBER 19, 2013.
11. SOIL DISTURBANCE IS TO BE KEPT TO A MINIMUM AND ALL DISTURBED AREAS SHALL BE STABILIZED (WITH PERMANENT OR TEMPORARY MEASURES) AS QUICKLY AS POSSIBLE.
12. ALL DISTURBED AREAS NOT OTHERWISE TREATED SHALL BE LOAMED AND SEEDED (6" DEPTH).
13. ALL PLANTING BEDS INCLUDING TREE AND SHRUB PITS AS INDICATED SHALL RECEIVE 3" APPROVED CLEAN, UNIFORMLY GROUND OR SHREDDED PINE OR HEMLOCK BARK MULCH.

GENERAL GRADING NOTES:

1. SOIL DISTURBANCE IS TO BE KEPT TO A MINIMUM AND ALL DISTURBED AREAS SHALL BE STABILIZED (WITH PERMANENT OR TEMPORARY MEASURES) AS QUICKLY AS POSSIBLE. FOLLOW STABILIZATION DIRECTIONS ON SOIL EROSION AND SEDIMENT CONTROL PLANS AND NOTES
2. ALL DISTURBED AREAS NOT OTHERWISE TREATED SHALL BE LOAMED AND SEEDED (6" DEPTH).
3. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED ON A REGULAR BASIS AND AS REQUIRED AFTER STORM EVENTS. SEE SHEET CE001 AND CONNECTICUT CONSTRUCTION GENERAL PERMIT FOR REPORTING REQUIREMENTS.
4. GULLIES OR OTHERWISE ERODED AREAS IN SEEDED AREAS SHALL BE RESTORED AS SOON AS POSSIBLE FOLLOWING OBSERVATION, USING EROSION CONTROL MESH OR MULCH TO STABILIZE AS REQUIRED.

DEWATERING NOTES:

1. THE CONTRACTOR SHALL EMPLOY A DEWATERING SYSTEM THAT ACHIEVES THE FOLLOWING FUNCTIONS DURING CONSTRUCTION:

A. DEVELOP A SUBSTANTIALLY DRY AND STABLE SUBGRADE DURING EXECUTION OF THE WORK,

B. PREVENT DAMAGE TO STRUCTURES ADJACENT TO THE WORK,

C. RETAIN SEDIMENTS ON-SITE AND WITHIN THE WORK AREA. DEWATERING OPERATIONS SHALL BE SUSPENDED IF THE TURBIDITY OF DISCHARGES TO THE DOWNSTREAM DRAINAGE SYSTEM IS INCREASED ABOVE AMBIENT LEVELS.

2. SURFACE WATER ENTERING THE CONSTRUCTION SITE SHALL BE INTERCEPTED AND DIVERTED AROUND THE WORK AREA THROUGH THE USE OF DIKES, CURB WALLS, DITCHES, SUMPS, PUMPING, OR OTHER APPROVED MEANS.
3. ANY ENFORCEMENT ACTIONS OR FINES RESULTING FROM THE IMPROPER DISCHARGE OF TURBID WATER AND SEDIMENT TO DOWNSTREAM AREAS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. DIRT BAGS AND TEMPORARY DEWATERING PONDS SHALL BE CONSTRUCTED AND MAINTAINED AS NEEDED TO CAPTURE AND TREAT PUMPED DISCHARGE FROM DEWATERED AREAS.

RIPRAP STONE NOTES:

1. STONE FOR RIPRAP SHALL CONSIST OF SUB-ANGULAR FIELD STONE OR TOUGH UNHEWN QUARRY STONE OF APPROXIMATE RECTANGULAR SHAPE. THE STONE SHALL BE HARD AND OF SUCH QUALITY THAT IT WILL NOT DISINTEGRATE ON EXPOSURE TO WATER OR WEATHERING, BE CHEMICALLY STABLE, AND IT SHALL BE SUITABLE IN ALL RESPECTS FOR THE PURPOSE INTENDED.
2. THE BULK SPECIFIC GRAVITY (SATURATED SURFACE-DRY BASIS) OF THE INDIVIDUAL STONES SHALL BE AT LEAST 2.5.
3. THE AVERAGE SIZE OF THE STONE IN A MIXTURE IS INDICATED ON DIAMETER OF THE STONE FOR WHICH 50%, BY WEIGHT, WILL BE SMALLER AND 50% WILL BE LARGER. THE MIXTURE IS COMPOSED PRIMARILY OF THE LARGER STONES BUT WITH A SUFFICIENT MIXTURE OF OTHER SIZES TO FILL PROGRESSIVELY SMALLER VOIDS.
4. THE DIAMETER OF THE LARGEST STONE SIZE IN A GIVEN D_{50} MIXTURE SHALL BE 1.5 TIMES THE D_{50} SIZE SPECIFIED.
5. THE RIPRAP SHALL BE PLACED TO THE THICKNESSES INDICATED OR A MINIMUM OF 2.2 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6 INCHES. FOR D_{50} LARGER THAN 12 INCHES THE RIPRAP LAYER SHALL HAVE A MINIMUM THICKNESS OF 2 TIMES THE D_{50}.

REINFORCED VEGETATED SLOPES NOTES:

1. REINFORCED VEGETATED SLOPES SHALL BE CONSTRUCTED WITH SUITABLE ON-SITE SOIL MATERIAL COMPACTED IN MAXIMUM EIGHT INCH LIFTS TO 90% MAXIMUM DRY DENSITY. THE SURFACE SHALL BE SEEDED AND IMMEDIATELY COVERED WITH A 100% BIODEGRADABLE DOUBLE NET EROSION BLANKET (AMERICAN GREEN BIONET C-125BN, EAST COAST EROSION BLANKETS ECC-2B, OR APPROVED EQUAL).

SOIL FILTER AND BIORETENTION AREAS:

1. UNDERDRAINED SOIL FILTERS AND UNDERDRAIN SAND SHALL BE GRANULAR MATERIAL FREE OF ORGANICS & CONFORMING TO THE FOLLOWING GRADATION:

SEIVE	% PASSING
1 IN.	95-100
1/2 IN.	75-100
NO. 4	50-100
NO. 20	15-80
NO. 50	0-15
NO. 200	0-5

2. SOIL FILTER MEDIA SHALL BE A MIX OF UNDERDRAIN SAND (CT DOT M.03.01.02) AND HIGH ORGANIC PLANTING MEDIA (GRO-MAX BY CASELLA ORGANICS OR EQUAL). THE MIXED MATERIAL SHALL HAVE A MINIMUM ORGANIC CONTENT OF 6% AND A SATURATED HYDRAULIC CONDUCTIVITY OF 4.5 IN./HOUR ± 15%.

GEOTEXTILE & EROSION BLANKET NOTES:

1. EROSION CONTROL BLANKET FOR USE IN PONDS AND DRAINAGE CHANNELS SHALL BE 100% BIODEGRADABLE DOUBLE NET EROSION BLANKET WITH A 100% COCONUT FIBER MATRIX AND ORGANIC JUTE NETTING. EROSION CONTROL BLANKET FOR USE IN CHANNELS SHALL BE NORTH AMERICAN GREEN® BIONET® C125-BN™, EAST COAST EROSION BLANKETS ECC-2B OR APPROVED EQUAL.
2. PERMANENT TURF REINFORCEMENT MAT FOR REINFORCED TURF SPILLWAYS AND EMERGENCY OVERFLOW WEIRS SHALL BE A UV-STABILIZED POLYPROPYLENE MAT WITH TWO LAYERS OF UV-STABILIZED NETTING. PERMANENT TURF REINFORCEMENT MAT SHALL BE NORTH AMERICAN GREEN® P300, EAST COAST EROSION BLANKETS ECP-2, OR APPROVED EQUAL.
3. GEOTEXTILE SEPARATION FABRIC SHALL BE A WOVEN SLIT FILM GEOTEXTILE WITH AN APPARENT OPENING SIZE OF 50 (US STANDARD SIEVE) (PER ASTM D4751) THAT MEETS THE REQUIREMENTS FOR A CLASS 2 SEPARATION GEOTEXTILE PER AASHTO M288.96. GEOTEXTILE SEPARATION FABRIC SHALL BE MIRAFI® 500X OR APPROVED EQUAL.
4. GEOTEXTILE DRAINAGE FABRIC SHALL BE A NONWOVEN GEOTEXTILE MANUFACTURED FOR USE IN SUBSURFACE DRAINAGE APPLICATIONS. THE MATERIAL SHALL HAVE AN APPARENT OPENING SIZE OF 70 (US STANDARD SIEVE) (PER ASTM D4751), A PERMITTIVITY OF 1.7/SEC OR GREATER (PER ASTM D4491) AND RETAIN A MINIMUM OF 70% STRENGTH AT 500 HOURS UV EXPOSURE (PER ASTM D4355). GEOTEXTILE DRAINAGE FABRIC SHALL BE MIRAFI® 140N, CONTECH® C-35NW, OR APPROVED EQUAL.

INLET AND OUTLET STRUCTURES:

1. INLET AND OUTLET STRUCTURES SHALL BE PRECAST CONCRETE, UNLESS OTHERWISE SPECIFIED. CONCRETE STRUCTURES SHALL BE DESIGNED TO WITHSTAND H-20 WHEEL LOADING AND SHALL BE PROVIDED WITH PROTECTIVE GRATES WITH A MAXIMUM OPENING SIZE OF FOUR INCHES UNLESS OTHERWISE SPECIFIED. CONCRETE STRUCTURES SHALL BE CONSTRUCTED ON A MINIMUM 12-INCH DEEP BASE OF 3/4-INCH COMPACTED CRUSHED STONE.
2. OUTLET PIPES SHALL BE PROVIDED WITH ANTI-SEEP COLLARS TO PREVENT PIPING OF RUNOFF ALONG STONE EMBEDMENT TRENCHES.

EMBANKMENT NOTES:

1. BASIN EMBANKMENTS SHALL BE CONSTRUCTED OF SUITABLE ON-SITE SOIL, COMPACTED IN MAXIMUM EIGHT INCH LIFTS TO 90% MAXIMUM DRY DENSITY. A MINIMUM OF SIX INCHES OF CLEAN SCREENED LOAM SHALL BE APPLIED TO FINISHED GRADE AND THE AREA SHALL BE IMMEDIATELY SEEDED AND STABILIZED WITH MULCH, HYDROSEED, OR EROSION BLANKET DEPENDING ON THE LEVEL OF EXPECTED INUNDATION (SEE EROSION CONTROL SHEETS).
2. EMBANKMENTS CONSTRUCTED ON EXISTING SOIL SLOPES STEEPER THAN 4H:1V SHOULD BE KEYED INTO THE EXISTING GROUND SURFACE WITH CONTINUOUS LEVEL BENCHES. EMBANKMENTS CONSTRUCTED ON EXISTING SOIL SLOPES FLATTER THAN 4H:1V SHALL HAVE A 10FT WIDE BENCH CUT INTO THE NATIVE SOIL AT THE TOE OF THE SLOPE FOR FILL EMBANKMENTS. A ONE FOOT (1') MINIMUM LAYER OF DRAINAGE COURSE MATERIAL SHALL BE PLACED OVER THE INITIAL BENCH PRIOR TO PLACING EMBANKMENT FILL. THE TOE BLANKET DRAIN SHALL BE CONSTRUCTED SUCH THAT GRAVITY DRAINAGE FORM THE BLANKET DRAIN OCCURS.

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SHEET TITLE:

SITE NOTES & LEGENDS

SHEET No.
C-001

EROSION & SEDIMENTATION CONTROL NOTES:

TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES INCLUDE THE USE OF STABILIZED CONSTRUCTION ACCESS DRIVE, SILTATION FENCE, RIPRAP STONE, GEOTEXTILE FABRIC, CRUSHED STONE WORKING PADS, CATCH BASIN INLET BARRIERS, CATCH BASIN SEDIMENT COLLECTION BAGS, EROSION CONTROL BLANKET, AND TEMPORARY SEEDING AND MULCHING AS REQUIRED. PERMANENT DEVICES INCLUDE STORMWATER MANAGEMENT BMPS, THE USE OF RIP RAP AT EXPOSED STORM DRAIN AND CULVERT INLETS AND OUTLETS, RIP RAPPED SLOPES, AND PERMANENT VEGETATION.

THIS PROJECT WILL BE SUBJECT TO THE CONDITIONS OF THE STATE OF CONNECTICUT GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL APPLICABLE CRITERIA AND CONDITIONS OF THIS PERMIT AND ANY OTHER PERMIT ISSUED BY AN AUTHORITY HAVING JURISDICTION (AHJ) PRIOR TO BEGINNING ANY WORK AT THE SITE.

GENERAL

1. IT IS ANTICIPATED THAT CONSTRUCTION MAY BEGIN AS SOON AS POSSIBLE FOLLOWING RECEIPT OF NECESSARY PERMITS. ALL WORK WILL BE UNDERTAKEN BETWEEN MAY AND OCTOBER AND FINAL STABILIZATION OF EACH PHASE OF WORK SHALL BE COMPLETE PRIOR TO OCTOBER 15TH OF ANY WORK YEAR.

2. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, 2002, OR AS CURRENTLY REVISED OR U.S. ENVIRONMENTAL PROTECTION AGENCY PUBLICATION 832/R-92-005 (SEPTEMBER, 1992) STORM WATER MANAGEMENT FOR CONSTRUCTION, CHAPTER 3, WHICHEVER IS MORE STRINGENT.

3. ANY ADDITIONAL EROSION AND SEDIMENTATION CONTROL DEEMED NECESSARY BY THE OWNER'S REPRESENTATIVE, DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) PERSONNEL AND/OR MUNICIPAL OFFICIALS SHALL BE INSTALLED BY THE CONTRACTOR.

4. THE CONTRACTOR IS RESPONSIBLE FOR ALL FINES RESULTING FROM EROSION OR SEDIMENTATION FROM THE SITE TO SURROUNDING PROPERTIES, WATER BODIES, OR WETLANDS AS A RESULT OF THIS PROJECT.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR/REPLACEMENT/MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBED AREAS ARE STABILIZED TO THE SATISFACTION OF THE ABOVE PERSONNEL. DESCRIPTIONS OF ACCEPTABLE PERMANENT STABILIZATION FOR VARIOUS COVER TYPES FOLLOWS:

6. FOR SEEDED AREAS, PERMANENT STABILIZATION MEANS A 90% COVER OF THE DISTURBED AREA WITH MATURE, HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL.

7. FOR SODDED AREAS, PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE SOD ROOTS INTO THE UNDERLYING SOIL WITH NO SLUMPING OF THE SOD OR DIE-OFF.

8. FOR MULCHED AREAS, PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH MATERIAL. EROSION CONTROL MIX MAY BE USED AS MULCH FOR PERMANENT STABILIZATION ACCORDING TO THE APPROVED APPLICATION RATES AND LIMITATIONS.

9. FOR AREAS STABILIZED WITH RIP RAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIP RAP HAVE AN APPROPRIATE BACKING OF A WELL-GRADED GRAVEL OR APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND THE RIP RAP. STONE MUST BE SIZED APPROPRIATELY.

10. PAVED AREAS: FOR PAVED AREAS, PERMANENT STABILIZATION MEANS THE PLACEMENT OF THE COMPACTED GRAVEL SUBBASE IS COMPLETED.

11. FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH MATURE VEGETATION AT LEAST THREE INCHES IN HEIGHT, WITH WELL-GRADED RIP RAP, OR WITH ANOTHER NON-EROSIVE LINING CAPABLE OF WITHSTANDING THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHOUT RELIANCE ON CHECK DAMS TO SLOW FLOW. THERE MUST BE NO EVIDENCE OF SLUMPING OF THE LINING, UNDERCUTTING OF THE BANKS, OR DOWN CUTTING OF THE CHANNEL.

EROSION AND SEDIMENTATION CONTROL MEASURES

1. PRIOR TO THE BEGINNING OF CONSTRUCTION, THE STABILIZED CONSTRUCTION ACCESS DRIVE AND PERIMETER EROSION CONTROLS SHALL BE INSTALLED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. IT IS THE INTENT THAT EROSION CONTROL MEASURES BE INSTALLED DOWN GRADIENT OF ALL DISTURBED AREAS OF THE SITE. SOIL EROSION & SEDIMENTATION CONTROLS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS WILL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHALL BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE SILT BARRIERS. THIS SEDIMENT WILL BE SPREAD AND STABILIZED IN AREAS OF THE SITE NOT SUBJECT TO EROSION. SILT FENCE SHALL BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, THEY WILL BE REPLACED WITH A TEMPORARY CRUSHED STONE CHECK DAM.

2. ALL CATCH BASINS, NEW OR EXISTING, THAT MAY RECEIVE RUNOFF FROM DISTURBED AREAS MUST BE PROTECTED DURING CONSTRUCTION.

3. REMOVAL OF SOD, TREES, BUSHES AND OTHER VEGETATION AND SOIL DISTURBANCE WILL BE KEPT TO A MINIMUM WHILE ALLOWING PROPER SITE DEVELOPMENT.

4. GRUBBINGS AND ANY UNUSABLE TOPSOIL SHALL BE STRIPPED AND REMOVED FROM THE PROJECT SITE AND DISPOSED OF IN AN APPROVED MANNER.

5. ANY SUITABLE TOPSOIL WILL BE STRIPPED AND STOCKPILED FOR REUSE IN FINAL GRADING. TOPSOIL WILL BE STOCKPILED IN A MANNER SUCH THAT NATURAL DRAINAGE IS NOT OBSTRUCTED AND NO OFF-SITE SEDIMENT DAMAGE WILL RESULT. IF A STOCKPILE IS NECESSARY, THE SIDE SLOPES OF THE TOPSOIL STOCKPILE WILL NOT EXCEED 2:1. TOPSOIL STOCKPILES WILL BE TEMPORARILY SEEDED WITH RYE, ANNUAL OR PERENNIAL RYE GRASS WITHIN 7 DAYS OF FORMATION, OR TEMPORARILY MULCHED IF SEEDING CANNOT BE DONE WITHIN THE RECOMMENDED SEEDING DATES.

6. TEMPORARY DIVERSION BERMS AND DRAINAGE SWALES SHALL BE CONSTRUCTED AS NECESSARY.

7. TEMPORARY STABILIZATION SHALL BE CONDUCTED WITHIN 7 DAYS OF INITIAL DISTURBANCE OF SOILS, PRIOR TO ANY RAIN EVENT, AND PRIOR TO ANY WORK SHUT DOWN LASTING MORE THAN ONE DAY. TEMPORARY STABILIZATION INCLUDES SEED, MULCH, OR OTHER NON-ERODABLE COVER.

8. TEMPORARY SEEDING SPECIFICATIONS: WHERE SEEDBED HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER, LIME, AND SEED. APPLY LIMESTONE AT A RATE OF 3 TONS PER ACRE (138 LB. PER 1,000 SQUARE FEET) AND 10-10-10 (N-P205-K20) FERTILIZER AT A RATE OF 600 LBS PER ACRE (13.8 LB. PER 1,000 SQUARE FEET). UNIFORMLY APPLY SEED AT THE RECOMMENDED SEEDING RATES AND DATES, APPLY HAY OR STRAW MULCH AT A RATE OF 2 TONS PER ACRES, AND ANCHOR AS NECESSARY.

9. RECOMMENDED TEMPORARY SEEDING DATES AND APPLICATION RATES ARE AS FOLLOWS:

   RYE:
   RECOMMENDED SEEDING DATES: 8/15 – 10/1
   APPLICATION RATE: 112 LBS/ACRE

   ANNUAL RYE GRASS:
   RECOMMENDED SEEDING DATES: 4/1 – 7/1
   APPLICATION RATE: 40 LBS/ACRE

   PERENNIAL RYE GRASS:
   RECOMMENDED SEEDING DATES: 8/15 – 9/15
   APPLICATION RATE: 40 LBS/ACRE

   PERMANENT SEEDING SPECIFICATION. IF A LANDSCAPE PLAN HAS BEEN PREPARED FOR THE PROJECT, SOIL PREPARATION AND SEED SPECIFICATIONS OF THAT PLAN SHALL SUPERSEDE THESE GENERAL PERMANENT SEEDING REQUIREMENTS. IT IS RECOMMENDED THAT PERMANENT SEEDING BE COMPLETED BETWEEN APRIL 1 AND JUNE 15 OF EACH YEAR. LATE SEASON SEEDING MAY BE DONE BETWEEN AUGUST 15 AND SEPTEMBER 15. AREAS NOT SEEDED OR WHICH DO NOT OBTAIN A SATISFACTORY GROWTH BY OCTOBER 1 SHALL BE SEEDED WITH RYE OR MULCHED AT RATES PREVIOUSLY SODDED.

   APPLY TOPSOIL TO A MINIMUM DEPTH OF 6 INCHES. MIX TOPSOIL WITH THE SUBSOIL TO A MINIMUM DEPTH OF 8 INCHES.

   APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS. IN LIEU OF SOIL TESTS, APPLY GROUND LIMESTONE AT A RATE OF 3 TONS PER ACRE (138 LB. PER 1,000 SQUARE FEET) AND GRANULAR, COMMERCIAL-GRADE, 10-10-10 (N-P205-K20) FERTILIZER AT A RATE OF 800 LBS PER ACRE (18.4 LBS PER 1,000 SQUARE FEET).

   UNIFORMLY APPLY SEED MIXTURE AT THE RECOMMENDED SEEDING RATES AND DATES, APPLY HAY OR STRAW MULCH AT A RATE OF 2 TONS PER ACRES, AND ANCHOR AS NECESSARY.

   THE SEED MIXTURE FOR LAWN AND FILTRATION BASIN AREAS SHALL CONSIST OF SEEDS PROPORTIONED BY WEIGHT AS FOLLOWS:
   - 30% CREEPING RED FESCUE
   - 50% KENTUCKY BLUEGRASS
   - 20% ITALIAN/PERENNIAL RYE GRASS

NOTE: SEED MIXTURE SHALL CONSIST OF AT LEAST TWO VARIETIES OF EACH TYPE OF GRASS. WHEN USED IN A FILTER BASIN, STORMWATER SHALL NOT BE DIRECTED TO THE BASIN UNTIL THE GRASS IS ESTABLISHED.

TEMPORARY STABILIZATION

1. MULCH ALL AREAS SEEDED SO THAT SOIL IS NOT VISIBLE THROUGH THE MULCH REGARDLESS OF THE APPLICATION RATE.

2. DITCH LININGS, STONE CHECK DAMS, AND RIP RAP INLET AND OUTLET PROTECTION SHALL BE INSTALLED WITHIN 48 HOURS OF COMPLETING THE GRADING OF THAT SECTION OF DITCH OR INSTALLATION OF CULVERT.

3. RIP RAP REQUIRED AT CULVERTS AND STORM DRAIN INLETS AND OUTLETS SHALL CONSIST OF FIELD STONE OR ROUGH UNHEWN QUARRY STONE OF APPROXIMATELY RECTANGULAR SHAPE.

4. EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL PERMANENT SLOPES STEEPER THAN 15%, IN THE BASE OF DITCHES NOT OTHERWISE PROTECTED, AND ANY DISTURBED AREAS WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE (E.G. WETLANDS AND WATER BODIES). EROSION CONTROL BLANKET SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

5. TEMPORARY CONTROL MEASURES, SUCH AS SILT FENCE, SHALL BE REMOVED WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED.

WINTER CONDITIONS:

NO WORK SHALL BE PERMITTING DURING WINTER MONTHS.

HOUSEKEEPING

1. SPILL PREVENTION. CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON-SITE, INCLUDING STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORM WATER, AND APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING AND IMPLEMENTATION.

2. GROUNDWATER PROTECTION. DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS, ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS.

3. FUGITIVE SEDIMENT AND DUST. ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL.

4. DEBRIS AND OTHER MATERIAL. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER, MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.

5. COMPLY WITH THE REQUIREMENTS OF CONSTRUCTION WASTE MANAGEMENT SPECIFICATION SECTION, FOR REMOVAL AND DISPOSAL OF CONSTRUCTION DEBRIS AND WASTE.

TRENCH OR FOUNDATION DE-WATERING. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED AREAS THAT ARE SPECIFICALLY DESIGNATED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFER DAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE.

INSPECTION AND MAINTENANCE

1. INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION AND STORM WATER CONTROL MEASURES, AREAS USED FOR STORAGE THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE A WEEK AND BEFORE AND AFTER A STORM EVENT, PRIOR TO COMPLETION OF PERMANENT STABILIZATION. THE IDENTITY OF THE INSPECTOR MUST BE RECORDED ON THE LOG. IF BEST MANAGEMENT PRACTICES (BMPS) NEED TO BE MODIFIED OF IF ADDITIONAL BMPS ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL). ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED.

2. AN INSPECTION AND MAINTENANCE LOG MUST BE KEPT SUMMARIZING THE DETAILS OF THE INSPECTION, NAME AND QUALIFICATIONS OF THE PERSON PERFORMING THE INSPECTION, DATE, AND MAJOR OBSERVATIONS RELATING TO OPERATION OF EROSION AND SEDIMENTATION CONTROLS AND POLLUTION PREVENTION MEASURES. MAJOR OBSERVATIONS MUST INCLUDE: BMPS THAT NEED TO BE MAINTAINED, LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF THE INSPECTION. FOLLOW-UP TO CORRECT DEFICIENCIES OR ENHANCE CONTROLS MUST ALSO BE INDICATED IN THE LOG AND DATED, INCLUDING WHAT ACTION WAS TAKEN AND WHEN.

3. ANY SOIL TRACKED ONTO ADJACENT PUBLIC STREETS BY CONSTRUCTION TRAFFIC SHALL BE CLEARED AND SWEPT ON A DAILY BASIS.

4. ANY AND ALL MAINTENANCE, REPLACEMENT AND REPAIR OF EROSION CONTROL MEASURES TO MEET REGULATION REQUIREMENTS OR FIELD CONDITIONS FOR THE PROJECT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT COST.

5. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR CLEANING, OR REPLACEMENT OF STABILIZED OUTLETS, CHANNELS AND OTHER CONVEYANCES THAT BECOME CONTAMINATED WITH SEDIMENT DURING CONSTRUCTION.

6. SPARE EROSION CONTROL MATERIALS INCLUDING 200 FEET OF SILT FENCE, 20 HAYBALES AND 10 CUBIC YARDS OF STONE SHALL BE STORED ON SITE FOR EMERGENCY USE DURING DEVELOPMENT OF THE PROJECT.

7. THE CONSTRUCTION COMPANY, GENERAL CONTRACTOR AND OWNER SHALL MEET WITH THE CITY ENGINEER TO REVIEW THE PROPOSED WORK PRIOR TO THE COMMENCEMENT OF ANY GRADING, CLEARING OR CONSTRUCTION ACTIVITIES.

CONSTRUCTION SEQUENCE.

1. CONSTRUCTION SHALL COMMENCE WITH INSTALLATION OF PERIMETER EROSION CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AND ROADS.

2. STABILIZED OUTLETS SHALL BE CONSTRUCTED IN ALL AREAS OF FUTURE CONCENTRATED STORMWATER FLOW PRIOR TO THE DIRECTION OF FLOW TO THESE AREAS.

ARTIFICIAL TURF FIELD CONSTRUCTION SEQUENCE

1. CONSTRUCTION SHALL BEGIN ONCE A CLEAR WEATHER WINDOW HAS BEEN IDENTIFIED. EXCAVATION AND CONSTRUCTION ACTIVITIES SHOULD BE PLANNED TO MINIMIZE EXPOSURE OF ON-SITE SOILS TO THE MAXIMUM DEGREE PRACTICAL. ON-SITE SOILS EXPOSED TO PRECIPITATION MAY UNDERGO STRENGTH LOSS AND MAY HAVE TO BE REMOVED FROM THE SITE AND REPLACED WITH IMPORTED GRANULAR BORROW.

2. STRIP TOPSOIL AND TURF FROM FIELD AREA AND STOCKPILE IN A FLAT, STABLE AREA OF THE SITE. SURROUND ANY SOIL STOCKPILES WITH SILT FENCE BARRIER AND APPLY SEED AND MULCH IF THIS MATERIAL IS NOT TO BE USED IMMEDIATELY ON THE SITE.

3. EXCAVATE EXISTING SUBSOIL MATERIAL AND GRADE AREA TO ACHIEVE SUBGRADE ELEVATIONS FOR THE FIELD.

4. IMMEDIATELY COVER THE EXPOSED AREA WITH WOVEN GEOTEXTILE FABRIC.

5. INSTALL 10" DEPTH OF 1/2" CRUSHED STONE SUBBASE MATERIAL OVER ENTIRE FIELD AREA AND CONNECT TO SUBSURFACE DRAIN SURROUND ST CHESLEY PARK.

6. CONSTRUCT THE DYNAMIC STONE BASE AND UNDERDRAIN SYSTEM FOR THE FIELD.

7. INSTALL THE FINAL TURF AND INFILL LAYER TO FINISHED GRADE.

GRASS FIELD CONSTRUCTION SEQUENCE

1. CONSTRUCTION SHALL BEGIN WHEN THERE IS A CLEAR WEATHER WINDOW. EXCAVATION AND CONSTRUCTION ACTIVITIES SHOULD BE PLANNED TO MINIMIZE EXPOSURE OF ON-SITE SOILS TO THE MAXIMUM DEGREE PRACTICAL. ON-SITE SOILS EXPOSED TO PRECIPITATION MAY UNDERGO SIGNIFICANT STRENGTH LOSS AND MAY HAVE TO BE REMOVED FROM THE SITE AND REPLACED WITH IMPORTED GRANULAR BORROW.

2. STRIP TOPSOIL AND TURF FROM FIELD AREA AND STOCKPILE IN A FLAT, STABLE AREA OF THE SITE. SURROUND ANY SOIL STOCKPILES WITH SILT FENCE BARRIER AND APPLY SEED AND MULCH IF THIS MATERIAL IS NOT TO BE USED IMMEDIATELY ON THE SITE.

3. EXCAVATE EXISTING SUBSOIL MATERIAL AND GRADE AREA TO ACHIEVE SUBGRADE ELEVATIONS FOR THE FIELD.

4. IMMEDIATELY COVER THE EXPOSED AREA WITH WOVEN GEOTEXTILE FABRIC.

5. INSTALL SAND AND GRAVEL DRAINAGE LAYER OVER ENTIRE FIELD AREA.

6. INSTALL SCREENED TOPSOIL AND SOD LAYER TO FINISHED GRADE PER PLANS AND DETAILS.

7. SOD OR SEED PER PLANS AND DETAILS.

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NEW BRITAIN, CONNECTICUT

ISSUED FOR BIDDING/CONSTRUCTION
11-25-13

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SHEET TITLE:

EROSION & SEDIMENT CONTROL NOTES

SHEET No.
CE001

LIGHTING

- Ab — 2x4 FLUORESCENT FIXTURE; ASSOCIATED CONTROL DEVICE; FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
- 1x4 FLUORESCENT FIXTURE
- 2x2 FLUORESCENT FIXTURE
- FIXTURE WIRED TO UNSWITCHED NORMAL CIRCUIT
- FIXTURE WIRED TO UNSWITCHED EMERGENCY CIRCUIT
- FIXTURE WIRED TO SWITCHED EMERGENCY CIRCUIT
- DOWN LIGHT
- FLUORESCENT STRIP
- WALL MOUNTED FIXTURES
- TRACK LIGHTING
- ab — POLE MOUNTED SITE LIGHTING FIXTURE; FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)
- FLOOD LIGHT
- WALL WASH LIGHT FIXTURE
- EXIT SIGN, CEILING MOUNTED; ARROW INDICATES EGRESS DIRECTION; SHADING INDICATES SIGN FACE
- EXIT SIGN, WALL MOUNTED; SHADING INDICATES SIGN FACE
- TD — DUAL HEAD EMERGENCY LIGHT BATTERY PACK; TD – TIME DELAY RESET
- REMOTE EMERGENCY LIGHTING HEAD
- WP — WALL PACK
- S_3 — 3-WAY TOGGLE SWITCH
- S_a — SINGLE POLE TOGGLE SWITCH; INDICATES CONTROLLED FIXTURE
- S_4 — 4-WAY TOGGLE SWITCH
- S_{II} — DUAL LEVEL SWITCHING
- S_D — DIMMER SWITCH. INCANDESCENT OR FLUORESCENT AS REQUIRED.
- S_P — TOGGLE SWITCH WITH PILOT LIGHT
- S_T — TIMER SWITCH, SPRING WOUND
- S_{DT} — SINGLE POLE DOUBLE THROW TOGGLE SWITCH, CENTER POSITION OFF
- S_{WP} — WEATHER PROOF
- S_{XP} — EXPLOSION PROOF
- S_{OS} — OCCUPANCY SENSOR SWITCH
- UNSWITCHED CONTINUATION OF BRANCH CIRCUIT
- HOME RUN
- x — OCCUPANCY SENSOR; a. INDICATES CONTROLLED FIXTURE; INDICATES AIMING DIRECTION
- OSR — OCCUPANCY SENSOR RELAY
- DS x — DAYLIGHT SENSOR; LIGHTS CONTROLLED BY SENSOR

COMMUNICATION & DATA SYSTEMS

- TELEPHONE SYSTEM WALL JACK; W–INDICATES WALL MOUNTED AT 60" AFF; P–INDICATES PAYPHONE; (2)–INDICATES 2 OUTLETS, SINGLE BOX
- DATA SYSTEM OUTLET
- COMBINATION VOICE/DATA SYSTEM OUTLET
- UNDERFLOOR TELEPHONE SYSTEM OUTLET
- UNDERFLOOR DATA SYSTEM OUTLET
- UNDERFLOOR VOICE & DATA OUTLET
- CATV — CABLE TELEVISION SYSTEM OUTLET. MOUNT 18"AFF UNLESS OTHERWISE NOTED
- CCTV — CLOSED CIRCUIT TELEVISION OUTLET. MOUNT 18" AFF UNLESS OTHERWISE NOTED
- PA — PAGING SYSTEM CONTROL PANEL AND PAGING AMPLIFIER
- S — PAGING SYSTEM SPEAKER. CEILING MOUNTED
- S 1 — PAGING SYSTEM SPEAKER. WALL MOUNT AT 7'–6" AFF; 1. FLUSH, 2. SURFACE, 3. HORN, 4. DUAL HORN
- VC — VOLUME CONTROL
- HC — INTERCOM SYSTEM HAND KEY
- CS — CLOCK SPEAKER
- HS — INTERCOM SYSTEM HAND SET
- C — WALL MOUNTED CLOCK
- CEILING MOUNTED DATA SYSTEM OUTLET

POWER

- (4) 30A — NON-FUSED SAFETY SWITCH; AMPERE RATING; NEMA ENCLOSURE RATING
- F 60AS/40AF (4) — FUSED SAFETY SWITCH. TOP NUMBER INDICATES SWITCH AMPERE RATING. LOWER NUMBER INDICATES FUSE RATING; NEMA ENCLOSURE
- 1 (4) — MAGNETIC MOTOR STARTER. FVNR UNLESS INDICATED OTHERWISE; NEMA ENCLOSURE RATING; NEMA SIZE (TYPICAL)
- CB 20/1 — COMBINATION CIRCUIT BREAKER/MAGNETIC MOTOR STARTER; FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING; SECOND NUMBER INDICATES NEMA STARTER SIZE
- F 60/40/1 — COMBINATION FUSED DISCONNECT/MAGNETIC MOTOR STARTER; NUMBERS INDICATE DISCONNECT AMPERE RATING/FUSE RATING/NEMA STARTER SIZE
- 30/1 — NON-FUSED DISCONNECT/MAGNETIC MOTOR STARTER; FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING; SECOND NUMBER INDICATES NEMA STARTER SIZE
- M OL — MANUAL MOTOR STARTER. TOGGLE OPERATED, 1,2 OR 3 POLE AS REQUIRED. OVERLOAD PROTECTION
- M — MANUAL MOTOR SWITCH, TOGGLE OPERATED, SINGLE PHASE. 1 OR 2 POLE AS REQUIRED (NO OVERLOAD PROTECTION)
- CB 100A — ENCLOSED CIRCUIT BREAKER; AMPERE RATING
- 5 — ELECTRIC MOTOR, NUMBER INDICATES HORSEPOWER RATING
- 5 — EXPLOSION PROOF MOTOR
- VAV — VARIABLE AIR VOLUME CONTROL ACTUATORS
- HS H/O/A — LOCAL SELECTOR SWITCH; H/O/A – HAND/OFF/AUTO
- EMO — EMERGENCY OFF BREAK GLASS STATION
- PB — PUSHBUTTON STATION
- J — JUNCTION BOX
- T — TRANSFORMER
- P — POWER POLE
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- EY CONDUIT SEAL
- E — DUPLEX RECEPTACLE, NEMA 5–20R.; INSTALLED ON EMERGENCY CIRCUIT (TYPICAL)
- GFI DUPLEX RECEPTACLE, NEMA 5–20R
- HOSPITAL GRADE DUPLEX RECEPTACLE, NEMA 5–20R
- HOSPITAL GRADE GFCI DUPLEX RECEPTACLE, NEMA 5–20R
- IG — HOSPITAL GRADE ISOLATED GROUND DUPLEX RECEPTACLE, NEMA 5–20R
- SINGLE RECEPTACLE, NEMA 5–20R
- DOUBLE DUPLEX (QUADRUPLEX) RECEPTACLE, NEMA 5–20R
- HOSPITAL GRADE DOUBLE DUPLEX RECEPTACLE NEMA 5–20R
- S — SWITCHED RECEPTACLE
- FLOOR OUTLET, DUPLEX RECEPTACLE, NEMA 5–20R
- POWER RECEPTACLE, 480 VOLT NEMA CONFIGURATION AS NOTED.
- POWER RECEPTACLE, 240 VOLT NEMA CONFIGURATION AS NOTED.
- PANELBOARD, NORMAL POWER
- PANELBOARD, EMERGENCY POWER
- MULTI OUTLET ASSEMBLY

GROUNDING

- GROUND ROD
- EXOTHERMIC WELD CONNECTION
- BOLTED CONNECTION
- —G— — BARE COPPER CONDUCTOR RUN EXPOSED
- – –G– – — BARE COPPER CONDUCTOR EMBEDDED IN CONCRETE OR BURIED

LINE TYPES

- EXISTING
- NEW
- DEMOLITION

ABBREVIATIONS

A,AMP	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISHED GRADE
BOS	BOTTOM OF STEEL
C	CONDUIT, CONDUCTOR
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
DB	DIRECT BURIED
DISC	DISCONNECT
DN	DOWN
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FU	FUSE
FWE	FURNISHED WITH EQUIPMENT
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT BREAKER
GND	GROUND
HP	HORSEPOWER
HTR	HEATER
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
K	KILO
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT–AMPERE
KVAR	KILOVOLT–AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT–HOUR
LA	LIGHTNING ARRESTER
LTG	LIGHTING
MC	METAL CLAD
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MI	MINERAL INSULATED
MLO	MAIN LUG ONLY
MTD	MOUNTED
MV	MEDIUM VOLTAGE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEG	NEGATIVE
NEUT	NEUTRAL
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PF	POWER FACTOR
PH	PHASE
PVC	POLYVINYL CHLORIDE
RGS	RIGID STEEL CONDUIT
RSC	RIGID STEEL CONDUIT
RTD	RESISTANCE TEMPERATURE DETECTOR
SN	SOLID NEUTRAL
STP	SHIELDED TWISTED PAIR
STT	SHIELDED TWISTED TRIPLET
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TOS	TOP OF STEEL
TRANSF	TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
V	VOLT
VA	VOLT–AMPERE
VAR	VOLT–AMPERE REACTIVE
WM	WATT METER
WP	WEATHER PROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA–70, NATIONAL ELECTRICAL CODE (NEC).
2. ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE PROVIDED BY DIVISION 16000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
3. UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18–INCHES AFF, LIGHTING TOGGLE SWITCHES 48–INCHES AFF, DATA SYSTEM OUTLETS 18–INCHES AFF, FIRE ALARM NOTIFICATION DEVICES 80–INCHES AFF OR 6–INCHES BELOW CEILING, WHICHEVER IS LOWER, AND FIRE ALARM MANUAL PULL STATIONS 48–INCHES TO TOP OF DEVICE.
4. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF SEPARATION.
5. ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
6. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
7. UNLESS OTHERWISE NOTED WIRING SHALL BE 2#12 AWG CONDUCTORS AND #12 GND. HOME RUNS FED FROM 20A–1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG.
8. FLEXIBLE CONNECTIONS TO MOTORS SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, UNLESS OTHERWISE NOTED.
9. LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 120 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
10. CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE GROUNDING TYPE NEMA 5–20R, SIDE WIRED. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
11. PROVIDE WALL PLATES FOR ALL WIRING DEVICES, NYLON SMOOTH TYPE IN FINISHED AREAS AND GALVANIZED IN UNFINISHED AREAS.
12. ALL WIRING SHALL BE 600V, COPPER WITH THHN/THWN INSULATION. SERVICE ENTRANCE CONDUCTORS SHALL HAVE XHHW INSULATION.

GENERAL NOTE

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.

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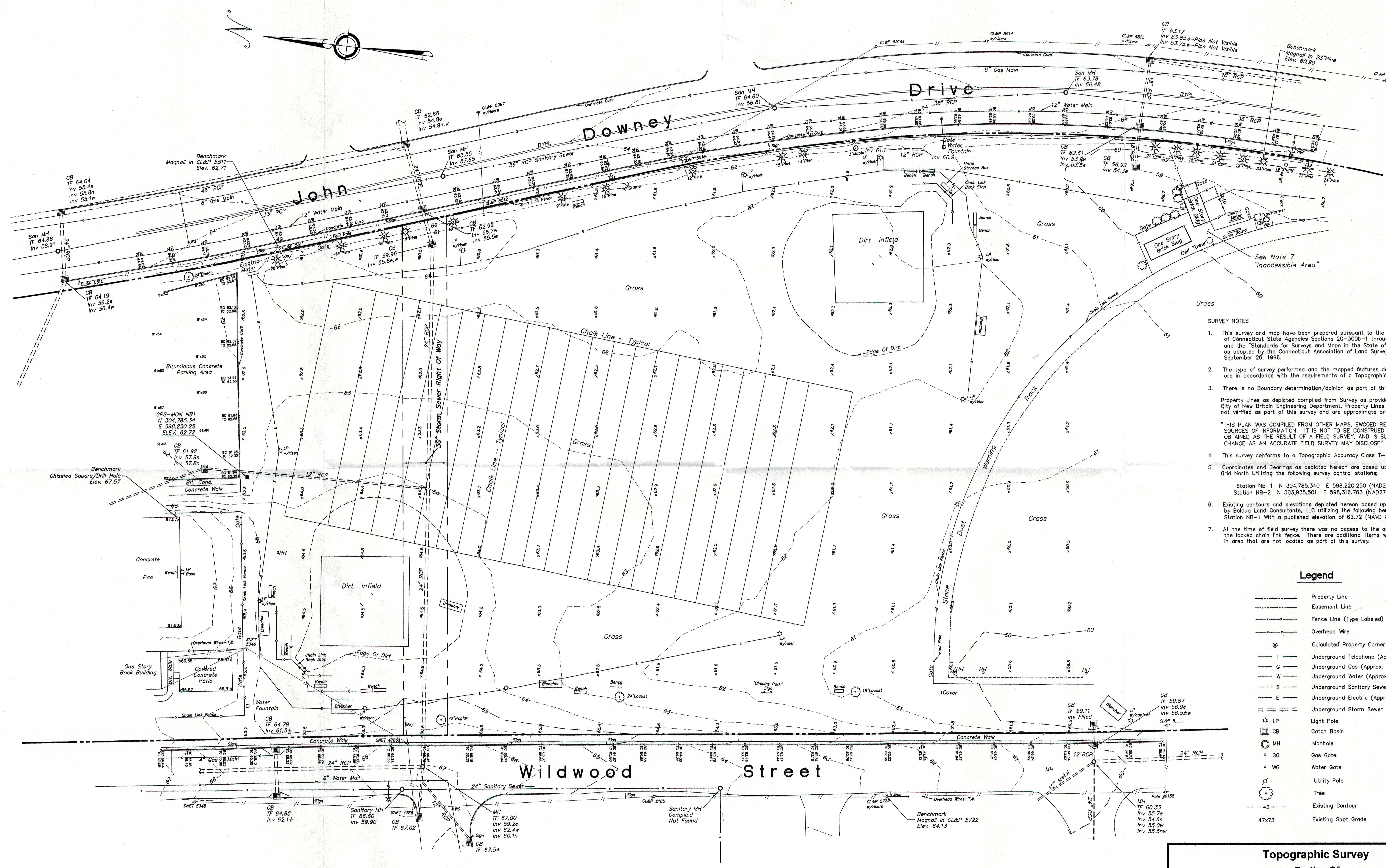
LEGEND & GENERAL NOTES

SHEET No.
E–001



SURVEY NOTES

1. This survey and map have been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.

2. The type of survey performed and the mapped features depicted hereon are in accordance with the requirements of a Topographic Survey.

3. There is no Boundary determination/opinion as part of this survey

   Property Lines as depicted compiled from Survey as provided by City of New Britain Engineering Department, Property Lines were not verified as part of this survey and are approximate only.

   "THIS PLAN WAS COMPILED FROM OTHER MAPS, EWCOED RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE"

4 This survey conforms to a Topographic Accuracy Class T-2

5. Coordinates and Bearings as depicted hereon are based upon a Connecticut Grid North Utilizing the following survey control stations;

   Station NB-1 N 304,785.340 E 598,220.250 (NAD27)
   Station NB-2 N 303,935.501 E 598,316.763 (NAD27)

6. Existing contours and elevations depicted hereon based upon field survey by Bolduc Land Consultants, LLC utilizing the following benchmark Station NB-1 With a published elevation of 62.72 (NAVD 88)

7. At the time of field survey there was no access to the area within the locked chain link fence. There are additional items within the fenced in area that are not located as part of this survey.

Legend

	Property Line
	Easement Line
	Fence Line (Type Labeled)
	Overhead Wire
	Calculated Property Corner
— T —	Underground Telephone (Approx. Location)
— G —	Underground Gas (Approx. Location)
— W —	Underground Water (Approx. Location)
— S —	Underground Sanitary Sewer (Approx. Location)
— E —	Underground Electric (Approx. Location)
	Underground Storm Sewer (Approx. Location)
LP	Light Pole
CB	Catch Basin
MH	Manhole
GG	Gas Gate
WG	Water Gate
	Utility Pole
	Tree
— 42 —	Existing Contour
47x73	Existing Spot Grade

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

NORMAND D. BOLDUC CT. L.S. #17,680

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

Location of all underground utilities shown hereon are approximate and are based upon field location of visible structures such as catch basins, manholes, water gates, etc., and compiling information from plans supplied by the respective utility companies and government agencies. All contractors will contact Call-Before-You-Dig at 1-800-922-4455 for location and markout of utilities prior to any excavation.

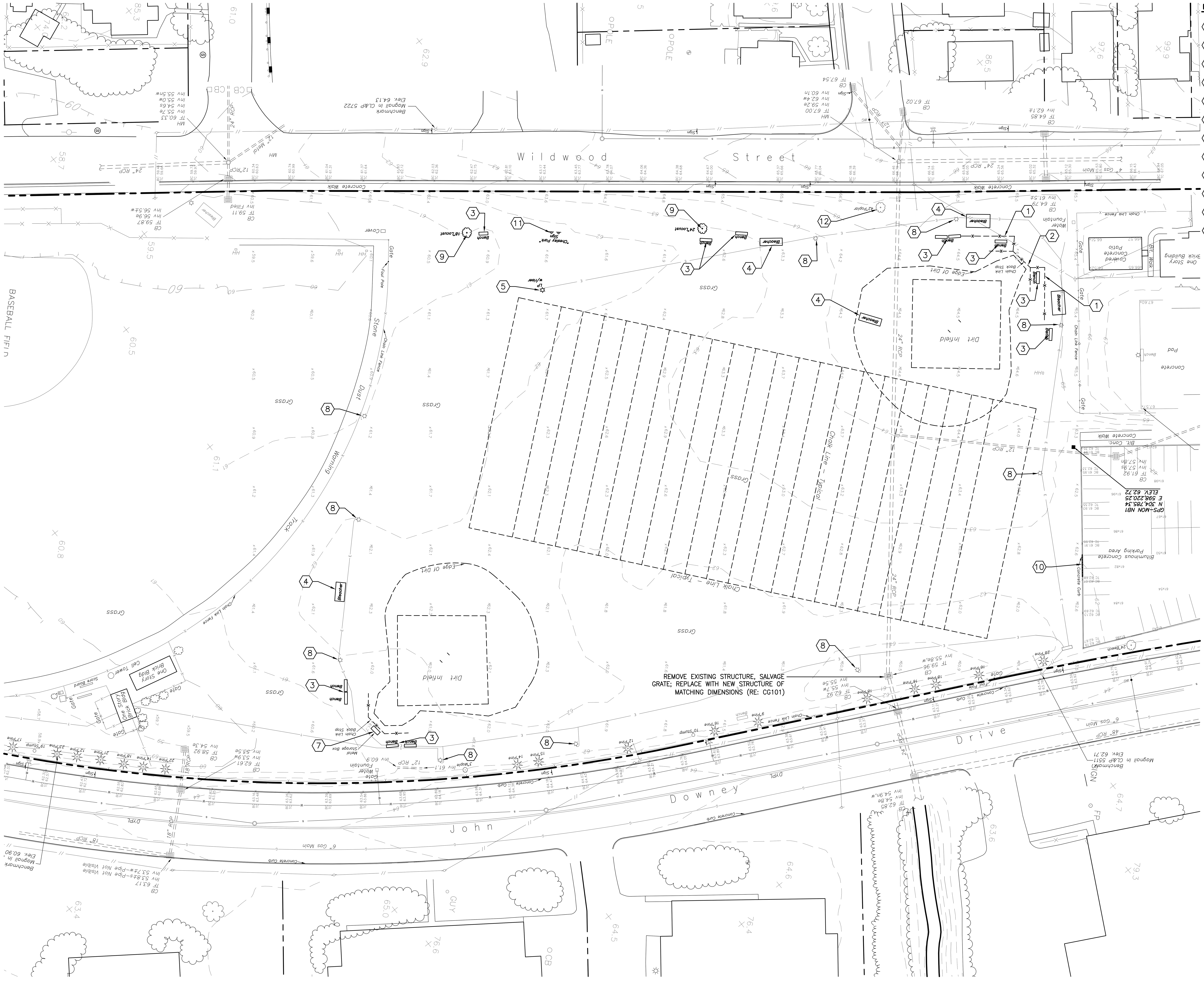
NO.	DATE	DESCRIPTION	BY

Topographic Survey
Portion Of
CHESLEY PARK

John Downey Dr. & Wildwood St. New Britain, Connecticut

DATE 09/06/13 SCALE 1"=30'	COMPS NDB	DRAWN NDB	FB. NO. 73	DISK NO. JOB NO.	PROJECT NO. 13-031

Bolduc Land Consultants, LLC
LAND SURVEYORS & LAND PLANNERS
1237 East Main Street
Meriden, Connecticut 06450
Ph 203-440-1746 - Fax 203-440-2051



REMOVALS KEY

1. REMOVE CHAIN LINK FENCE
2. REMOVE CHAIN LINK BACKSTOP
3. SALVAGE BENCH(ES) & TURN OVER TO OWNER
4. SALVAGE BLEACHERS & TURN OVER TO OWNER
5. REMOVE LIGHT POLE, SALVAGE & REINSTALL PER ES101
6. REMOVE LIGHT POLE
7. SALVAGE & REINSTALL METAL STORAGE BOX
8. EXISTING LIGHT POLES TO REMAIN
9. REMOVE TREE
10. REMOVE & REINSTALL CURB FLUSH @ NEW ACCESS DRIVE. TIP DOWN EDGES
11. REMOVE SIGN
12. EXISTING TREE TO REMAIN. PROTECT IN PLACE W/ PROTECTION ZONE FENCING

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NEW BRITAIN ATHLETIC FIELD IMPROVEMENTS
CHESLEY PARK
NEW BRITAIN, CONNECTICUT

ISSUED FOR BIDDING/CONSTRUCTION 11-25-13

CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
0	ISSUED FOR BIDDING/CONSTRUCTION	11-25-13

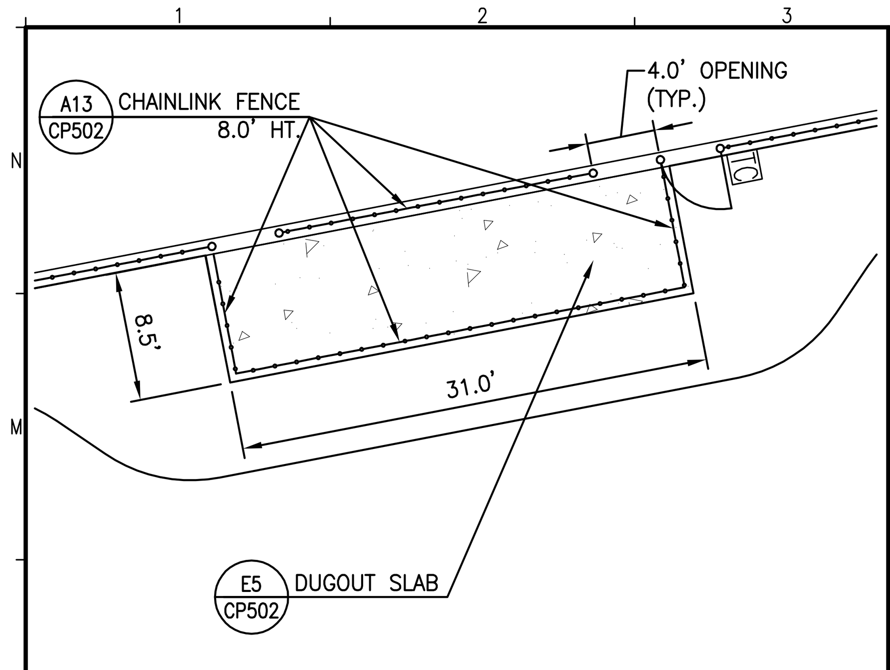
GRAPHIC SCALE: 0" 1"

SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CD101-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:

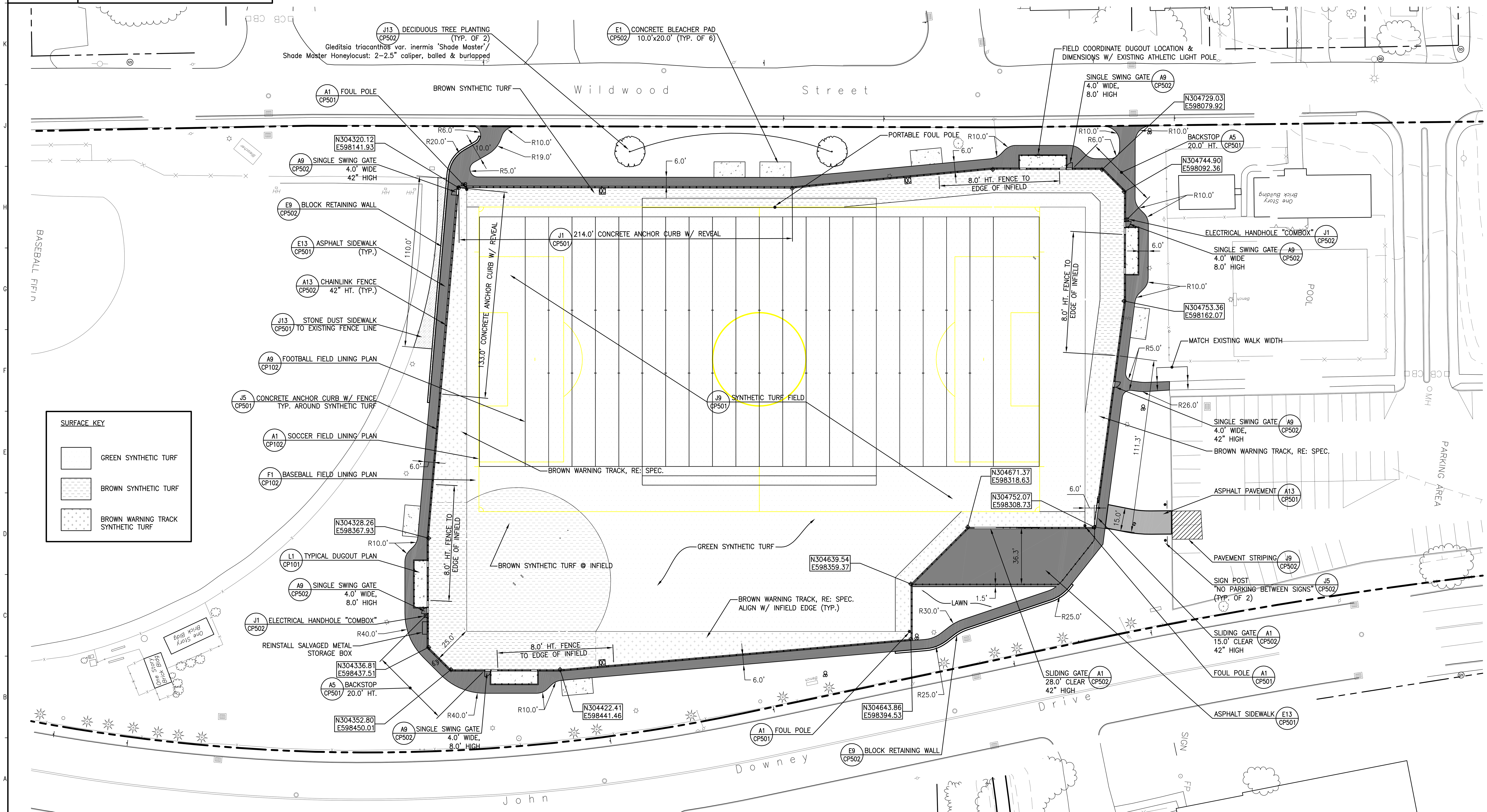
EXISTING CONDITIONS & REMOVALS PLAN

SHEET No. CD101



L1 TYPICAL DUGOUT PLAN

1" = 10' CP101



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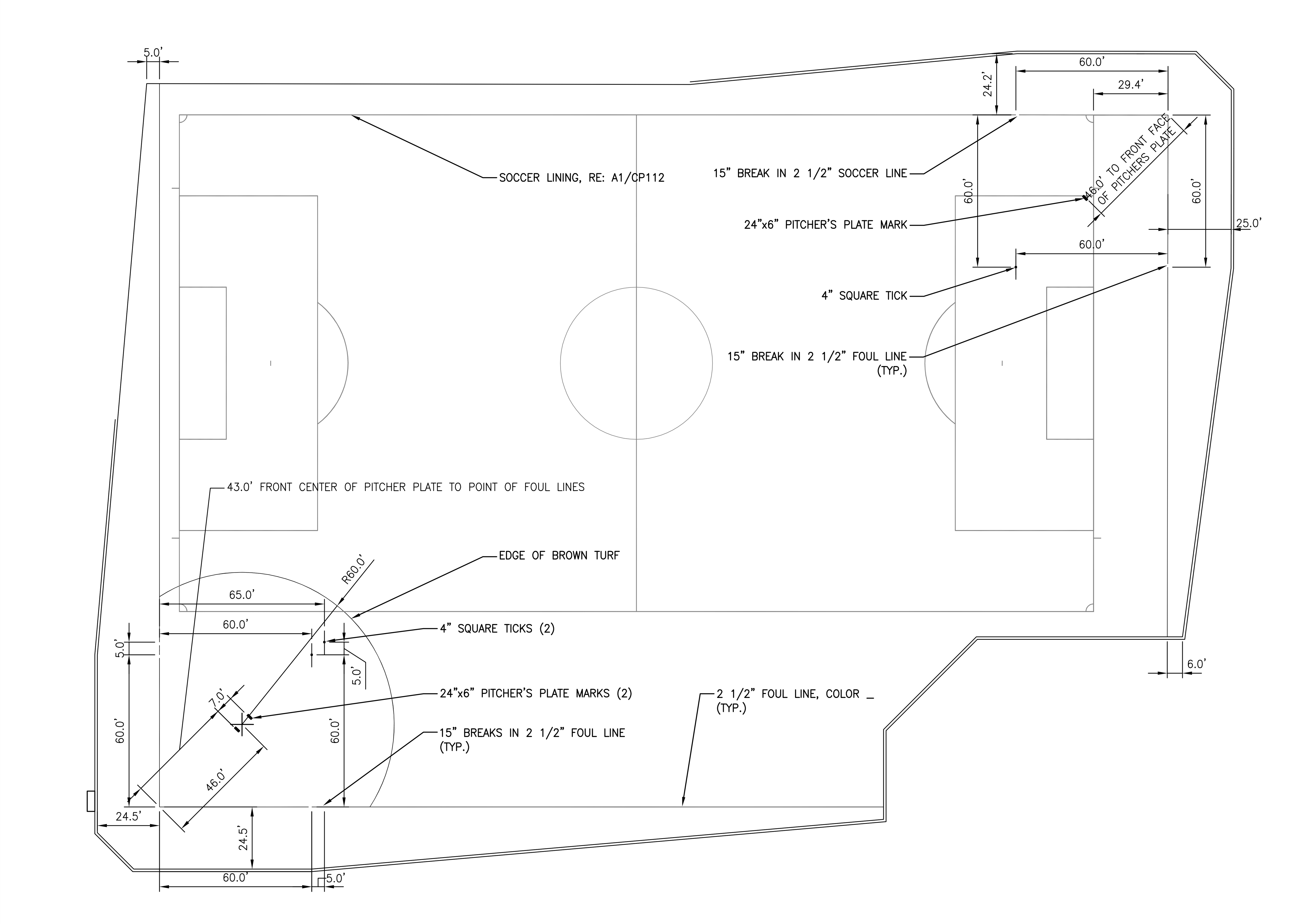
0' 1"

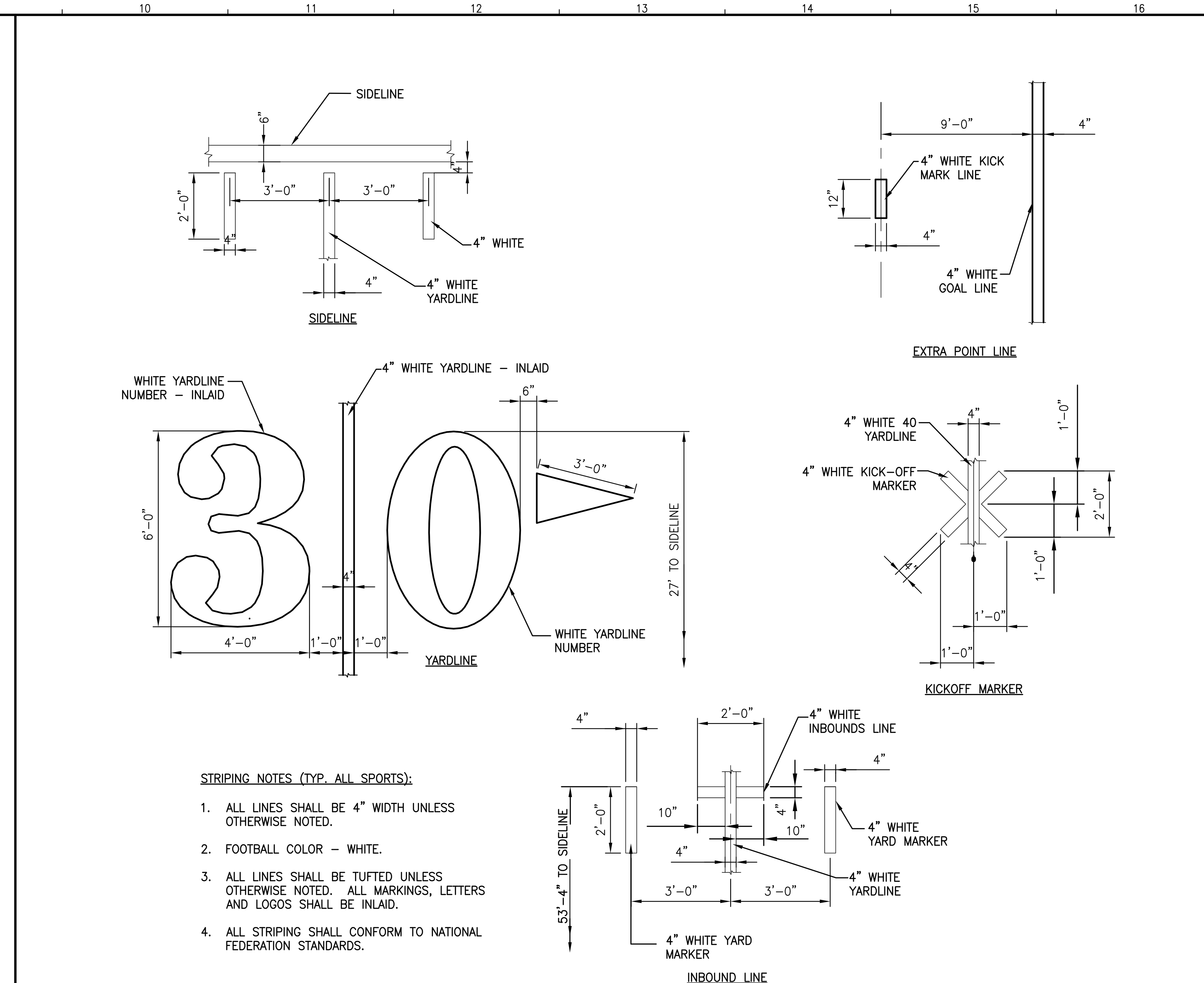
SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CP101-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
SITE LAYOUT PLAN

SHEET No.
CP101



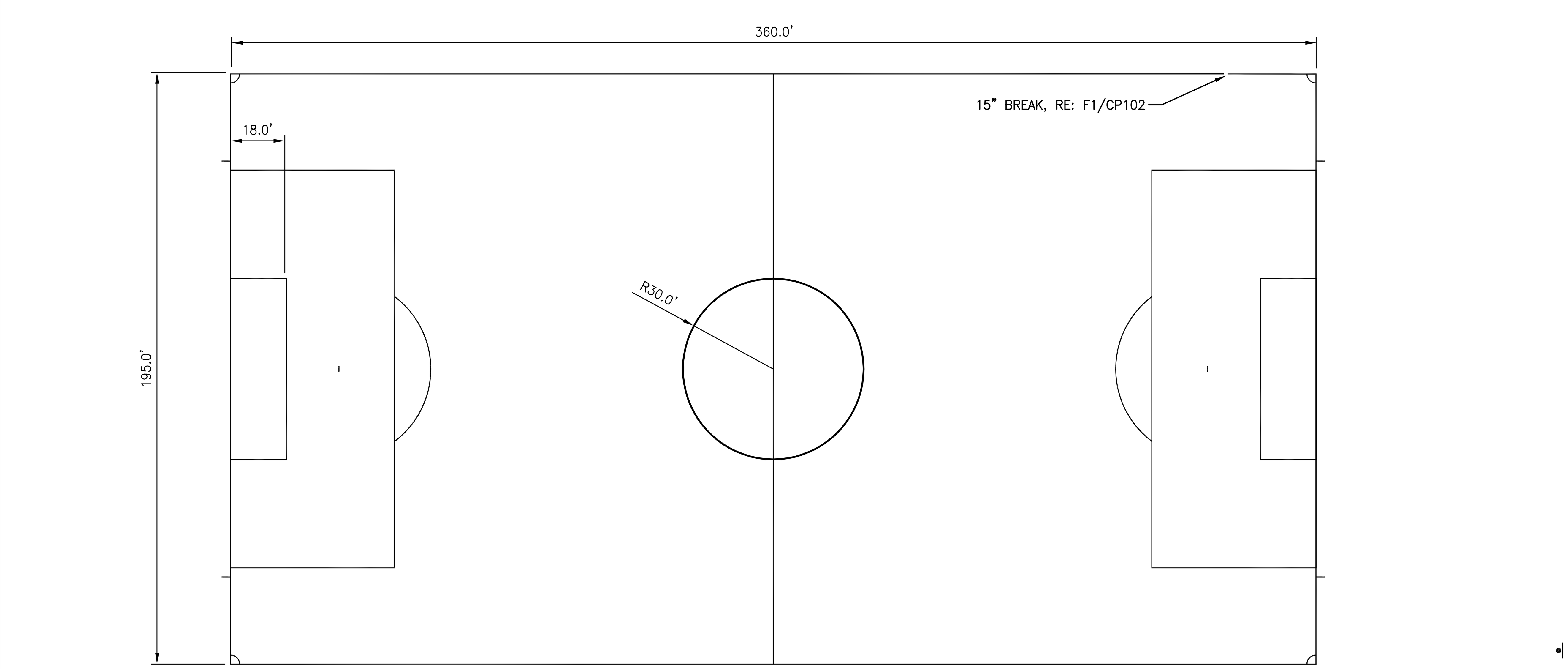
F1	BASEBALL & SOFTBALL FIELD LINING PLAN
1" = 30'	CP101



STRIPING NOTES (TYP. ALL SPORTS):

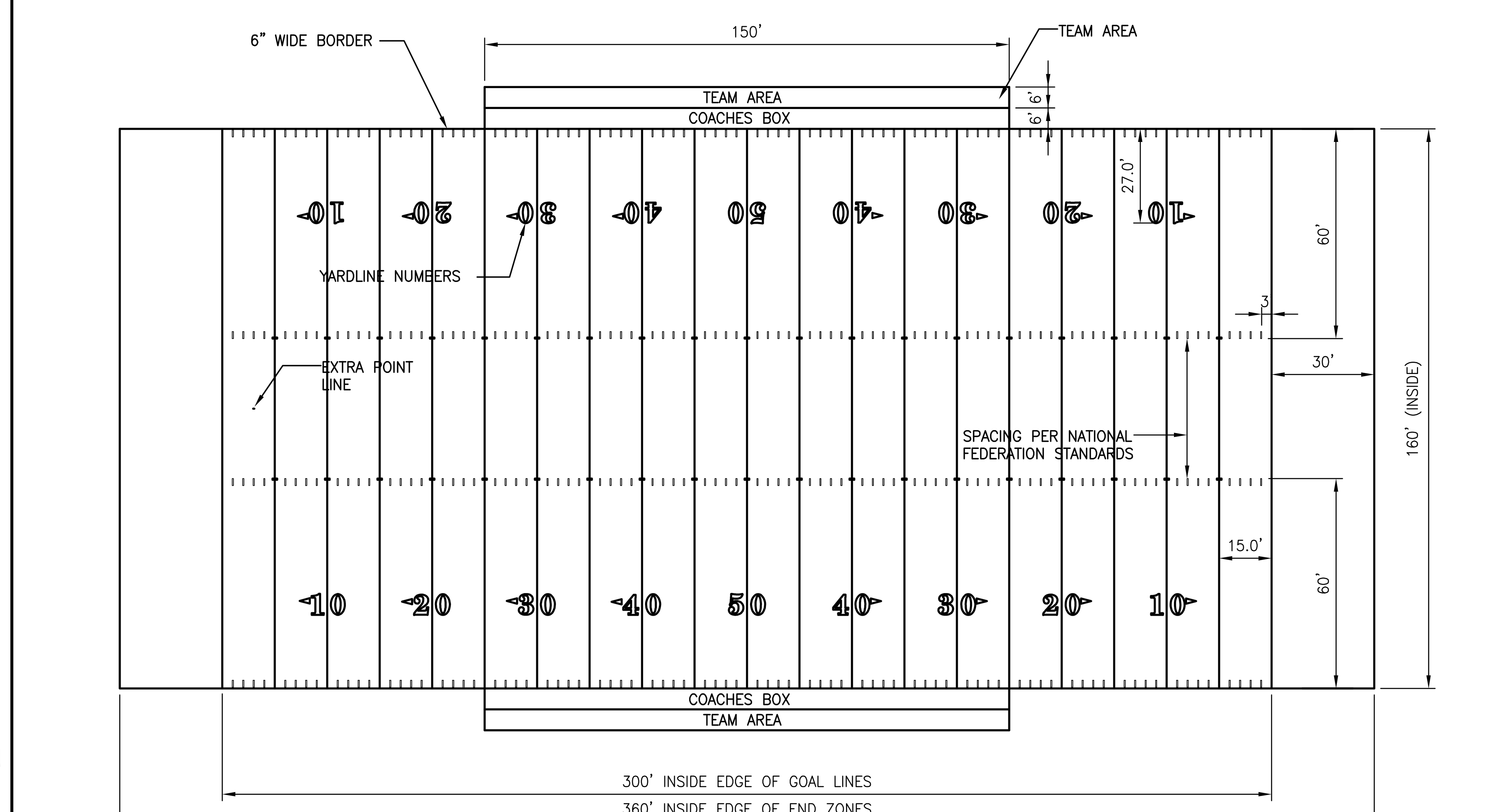
1. ALL LINES SHALL BE 4" WIDTH UNLESS OTHERWISE NOTED.
2. FOOTBALL COLOR – WHITE.
3. ALL LINES SHALL BE TUFTED UNLESS OTHERWISE NOTED. ALL MARKINGS, LETTERS AND LOGOS SHALL BE INLAID.
4. ALL STRIPING SHALL CONFORM TO NATIONAL FEDERATION STANDARDS.

F9	FOOTBALL MARKINGS
NOT TO SCALE	CP102



NOTE: PERMANENT LINES TO BE YELLOW, 4" WIDE.

A1	SOCCER FIELD LINING PLAN
1" = 30'	CP101



A9	FOOTBALL FIELD LINING PLAN
1" = 30'	1" = 30'

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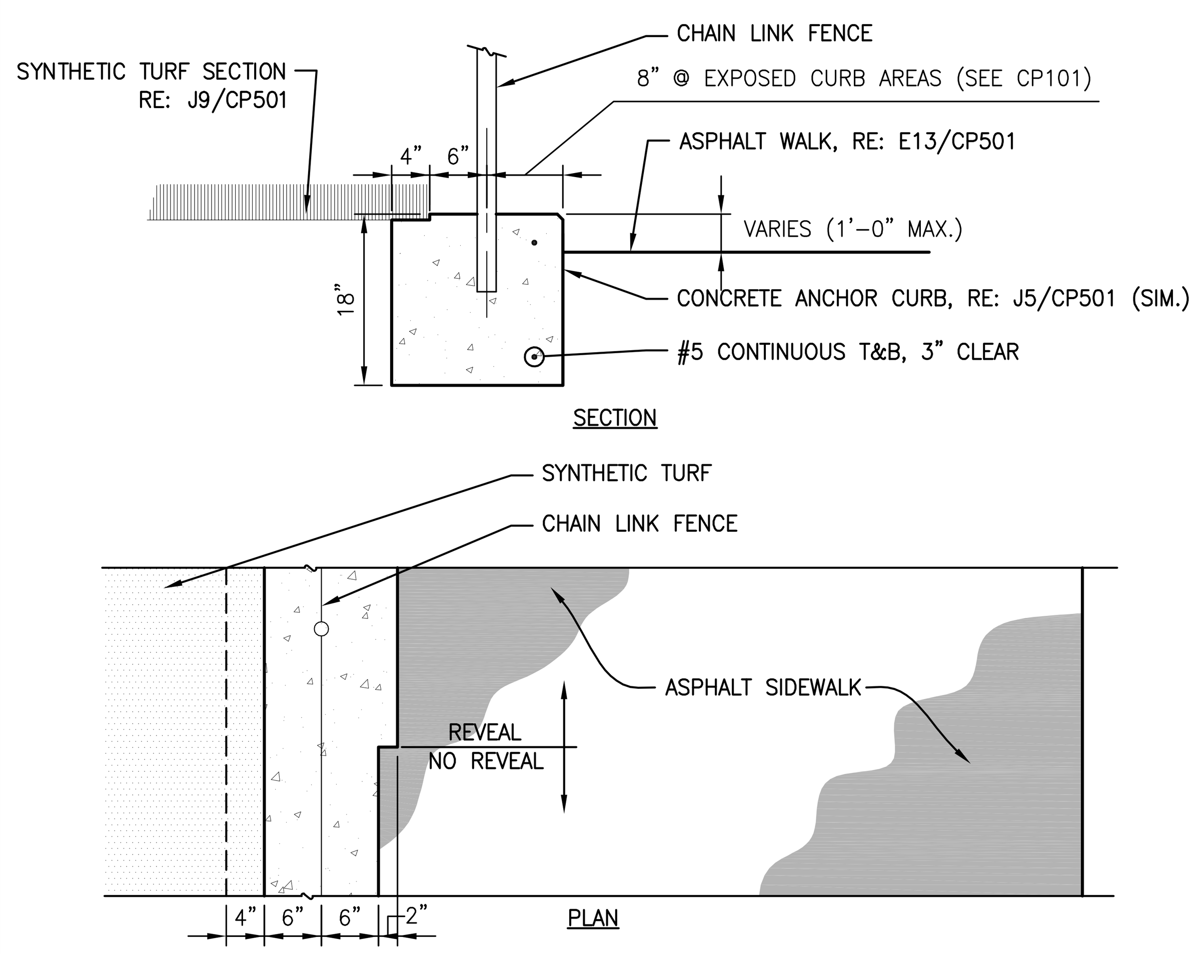
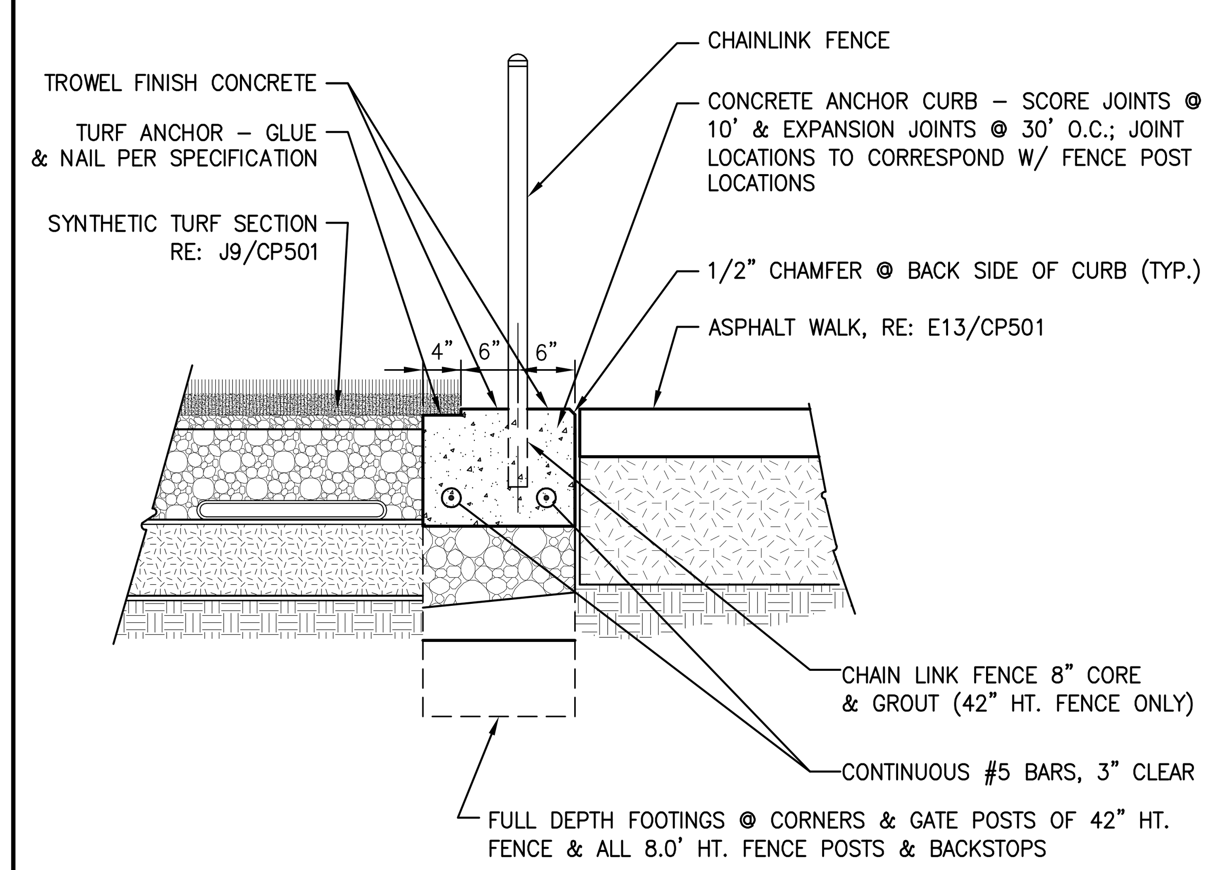
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CP102-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
FIELD LINING PLANS & DETAILS

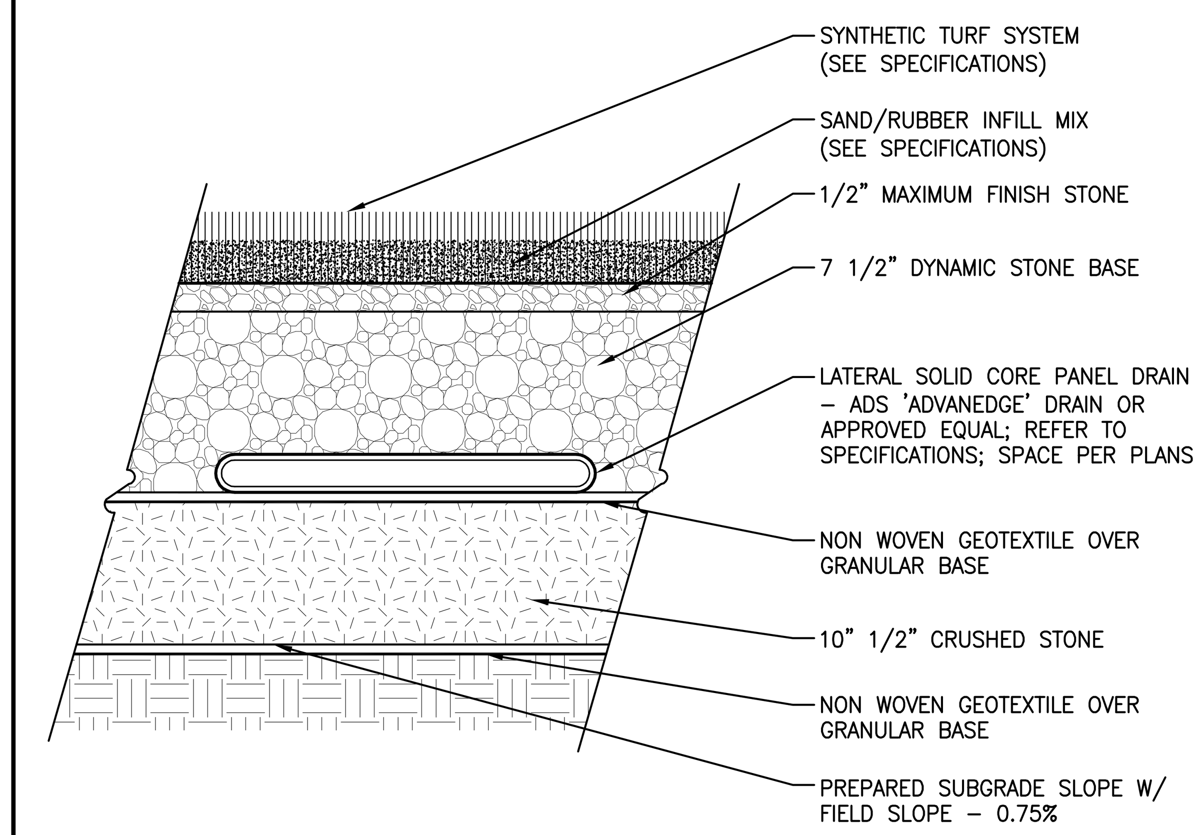
SHEET No.
CP102



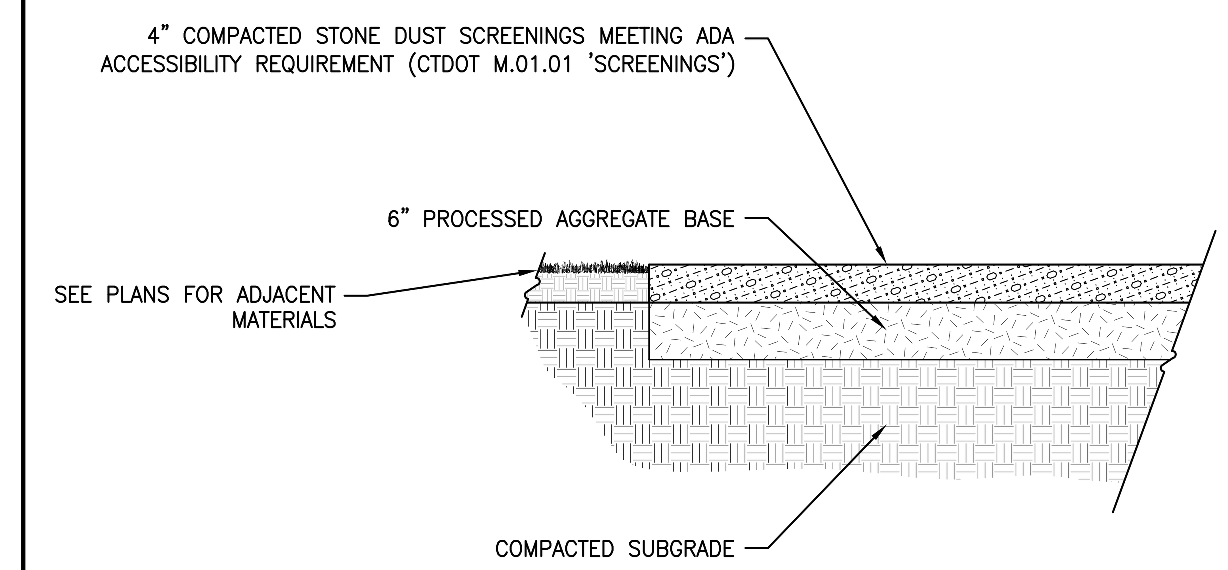
J1	CONCRETE ANCHOR CURB W/ REVEAL
3/4" = 1'-0"	CP101



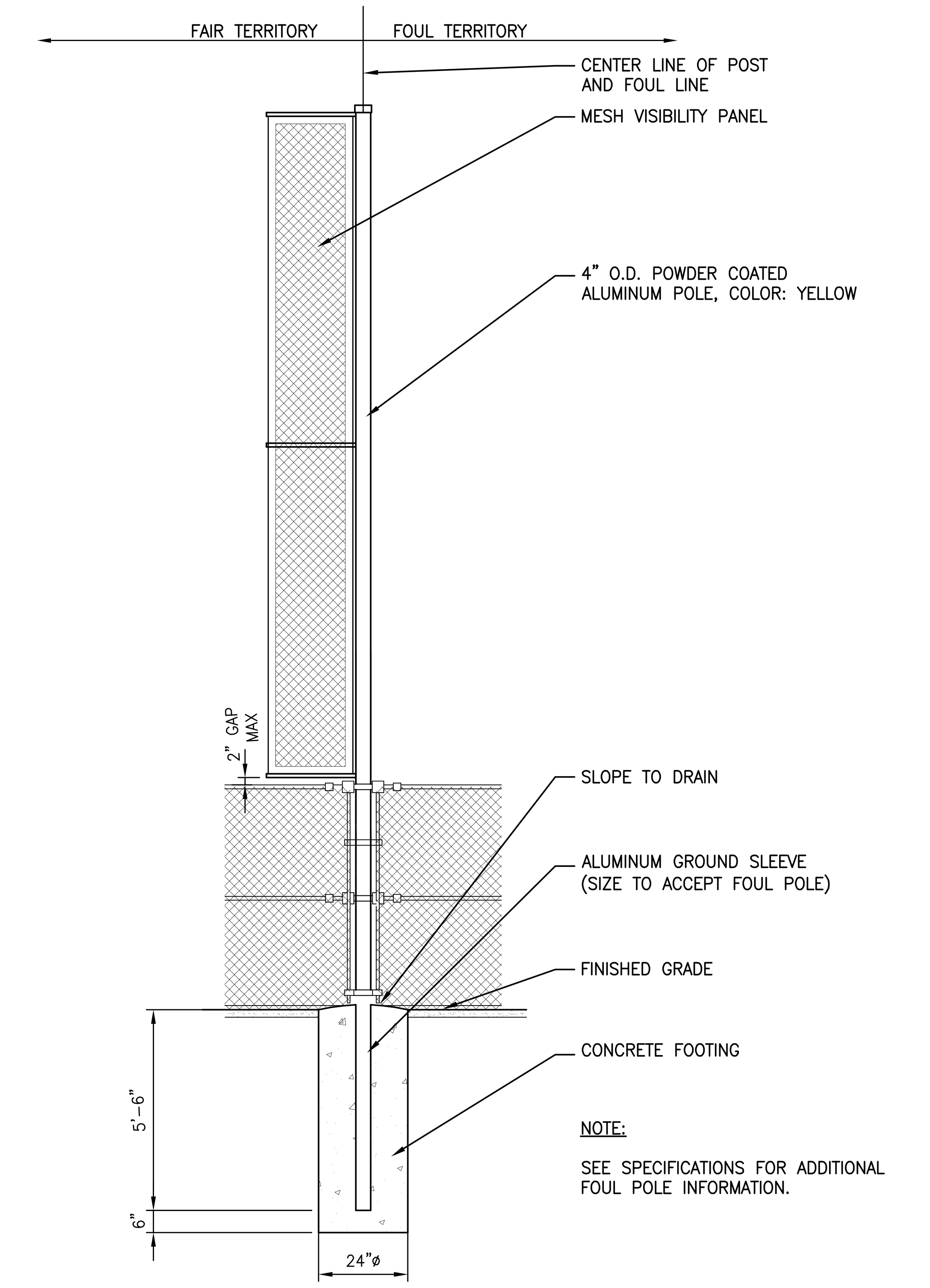
J5	CONCRETE ANCHOR CURB W/ FENCE
3/4" = 1'-0"	CP101



J9	SYNTHETIC TURF FIELD
1 1/2" = 1'-0"	CP101



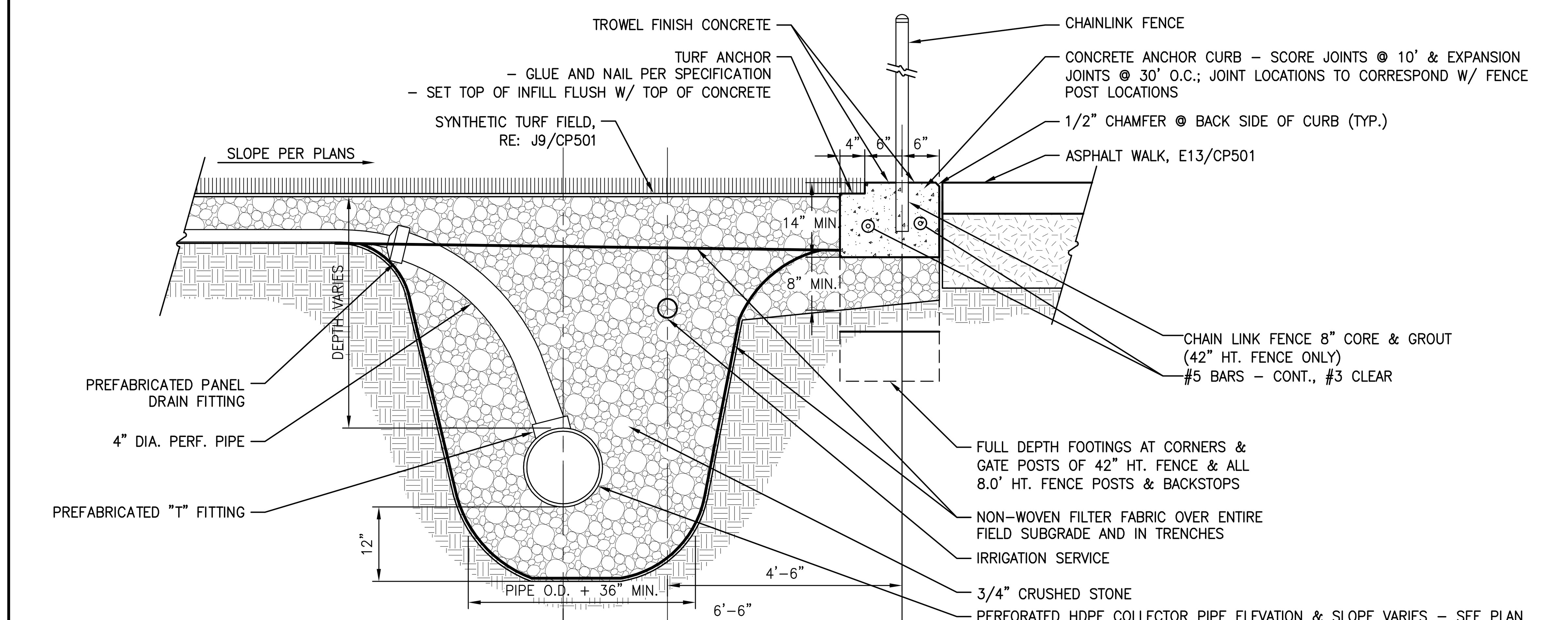
J13	STONE DUST SIDEWALK
3/4" = 1'-0"	CP101



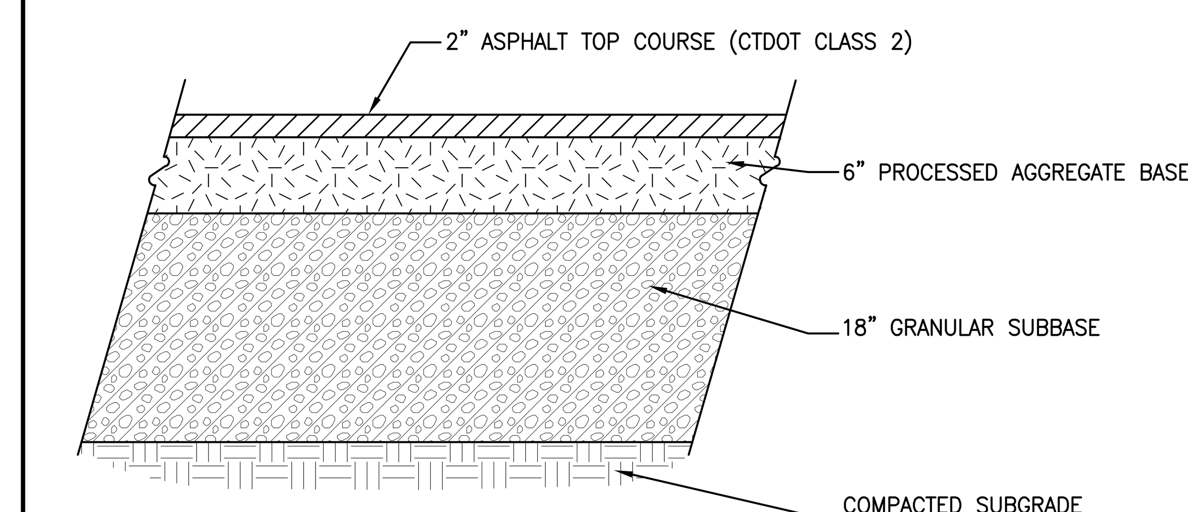
NOTE:

SEE SPECIFICATIONS FOR ADDITIONAL FOUL POLE INFORMATION.

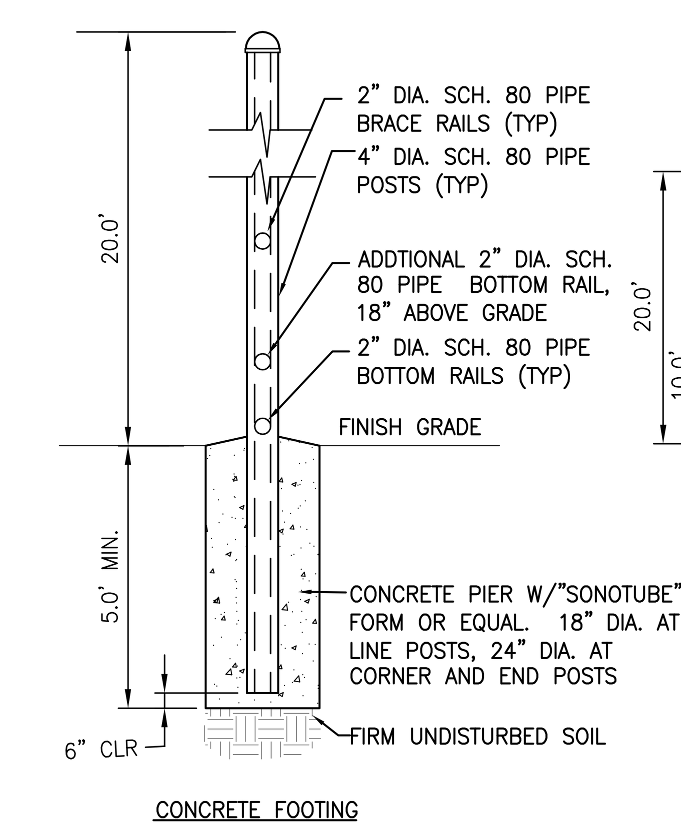
A1	FOUL POLE
3/8" = 1'-0"	CP101

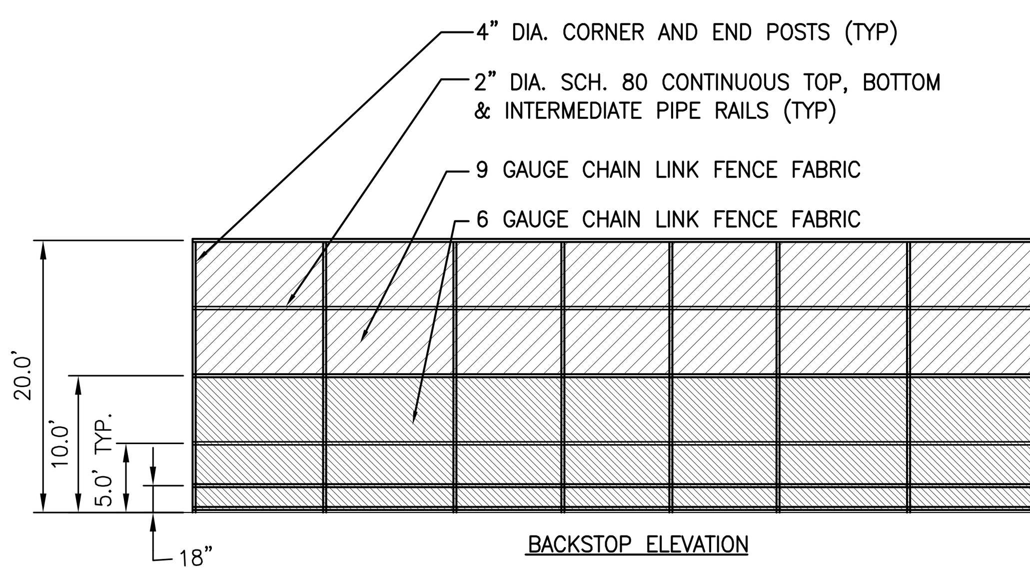


E5	SYNTHETIC TURF EDGE
3/4" = 1'-0"	CP101



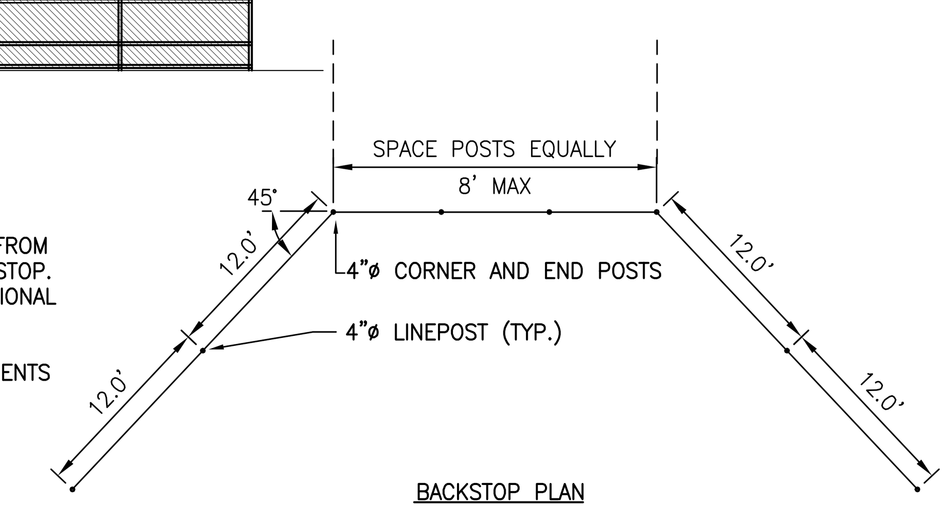
E13	ASPHALT SIDEWALK
1" = 1'-0"	CP101



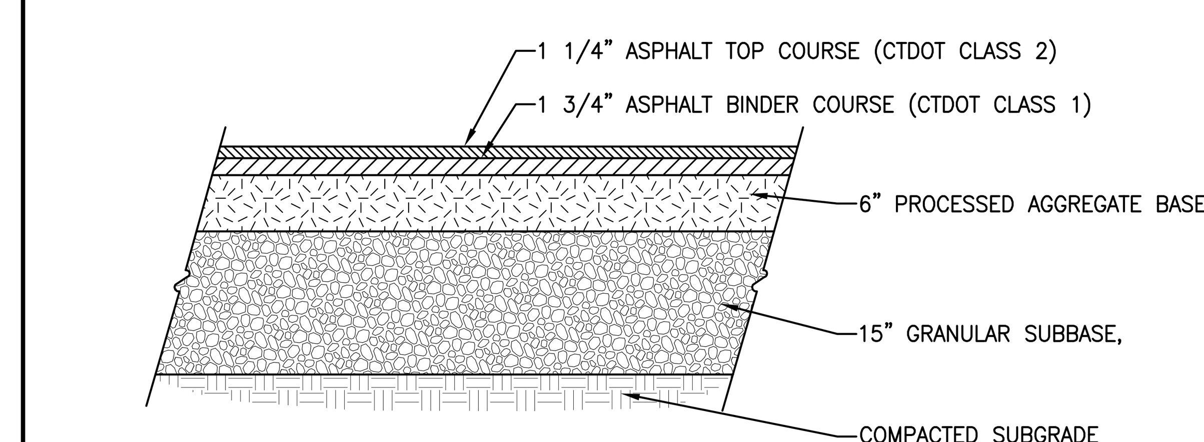


NOTES:

1. THE CONTRACTOR MAY SALVAGE AND REUSE MATERIALS FROM THE EXISTING BACKSTOP TO CONSTRUCT THE NEW BACKSTOP. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADDITIONAL MATERIAL AS REQUIRED.
2. CHAINLINK FENCE MATERIALS TO COMPLY WITH REQUIREMENTS OF CHAIN LINK FENCE SPECIFICATION SECTION.



A5	BACKSTOP
NOT TO SCALE	CP101



A13	ASPHALT PAVEMENT
3/4" = 1'-0"	CP101

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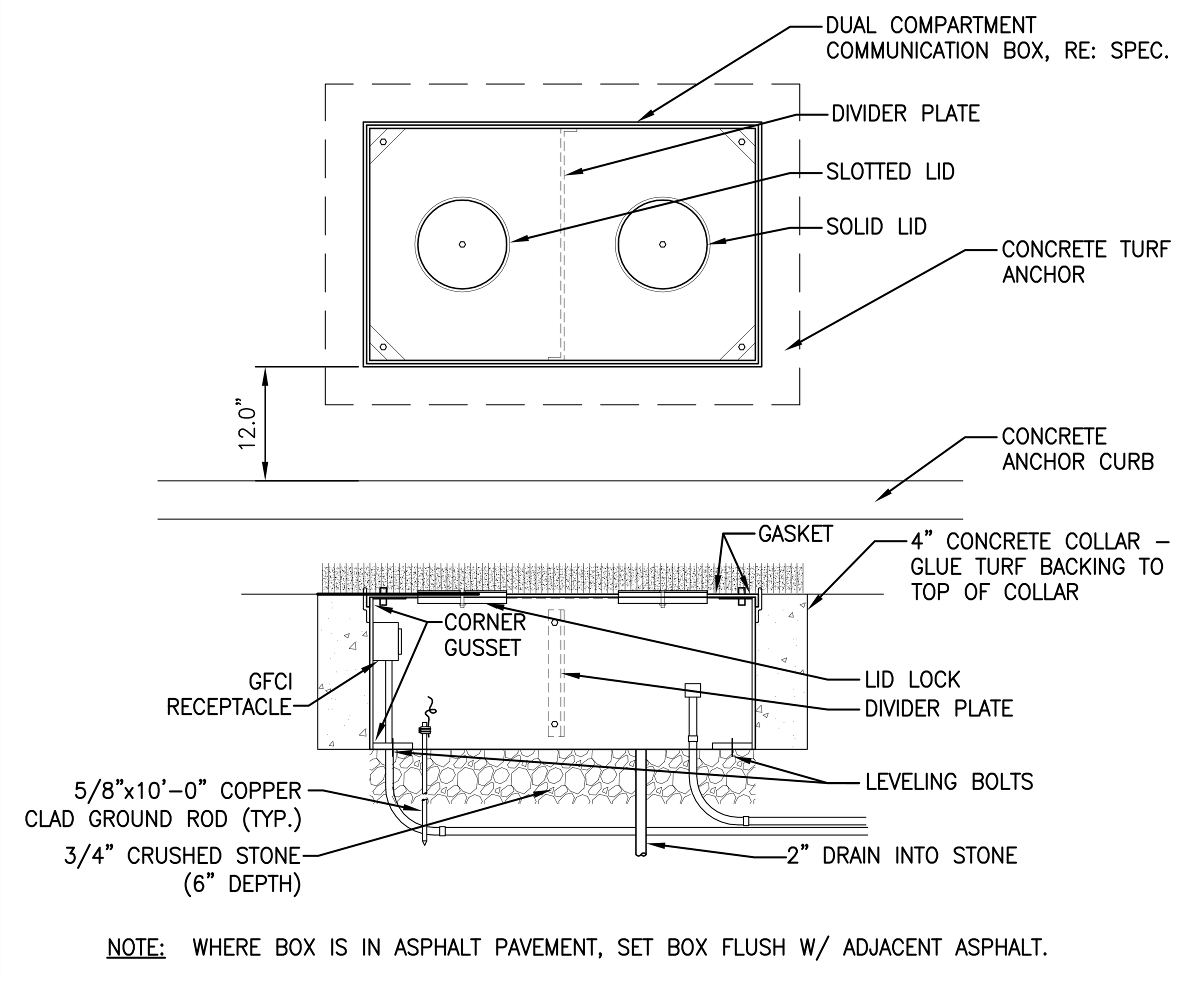
GRAPHIC SCALE: 0" 1"

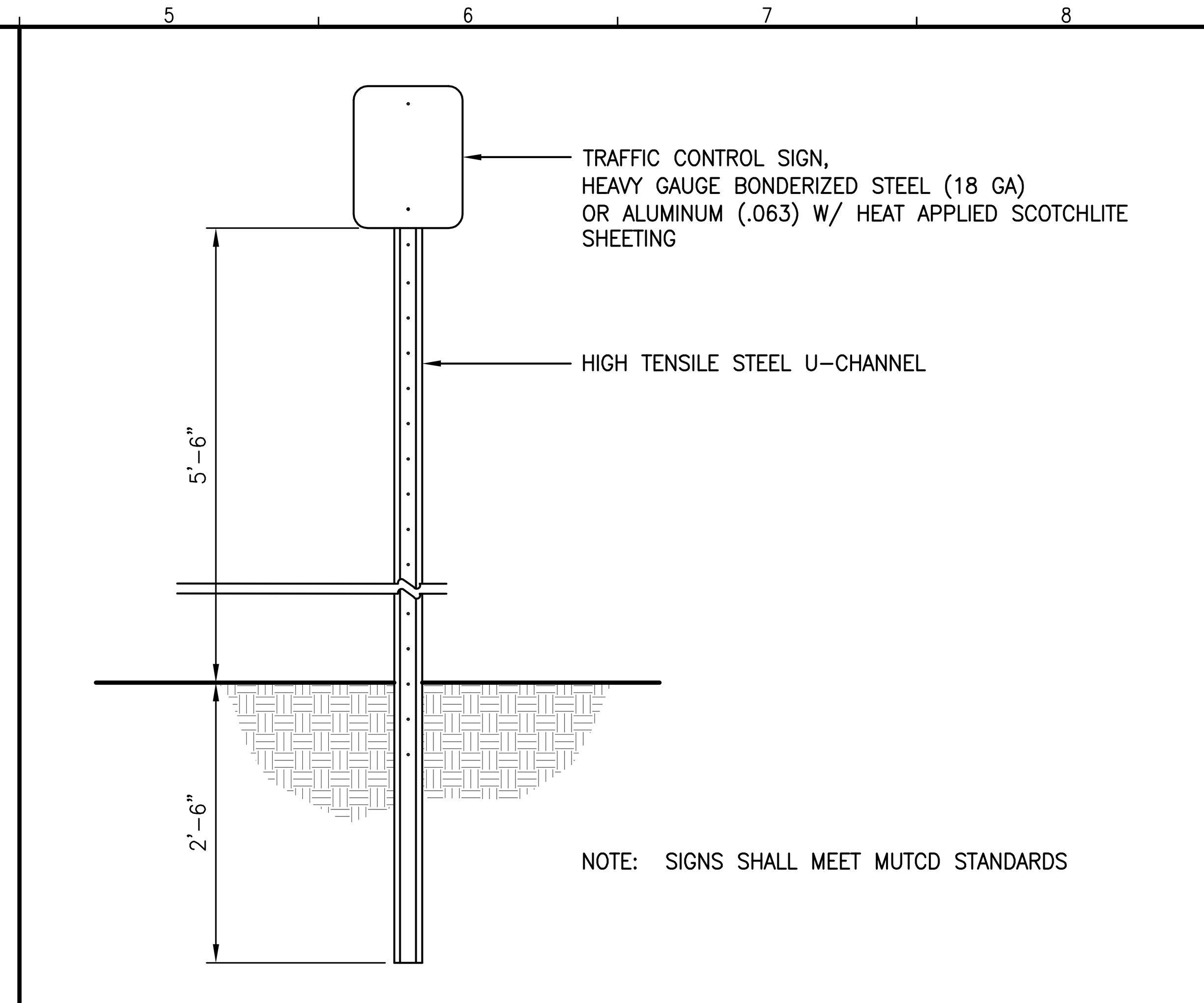
SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CP501-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
SITE LAYOUT DETAILS

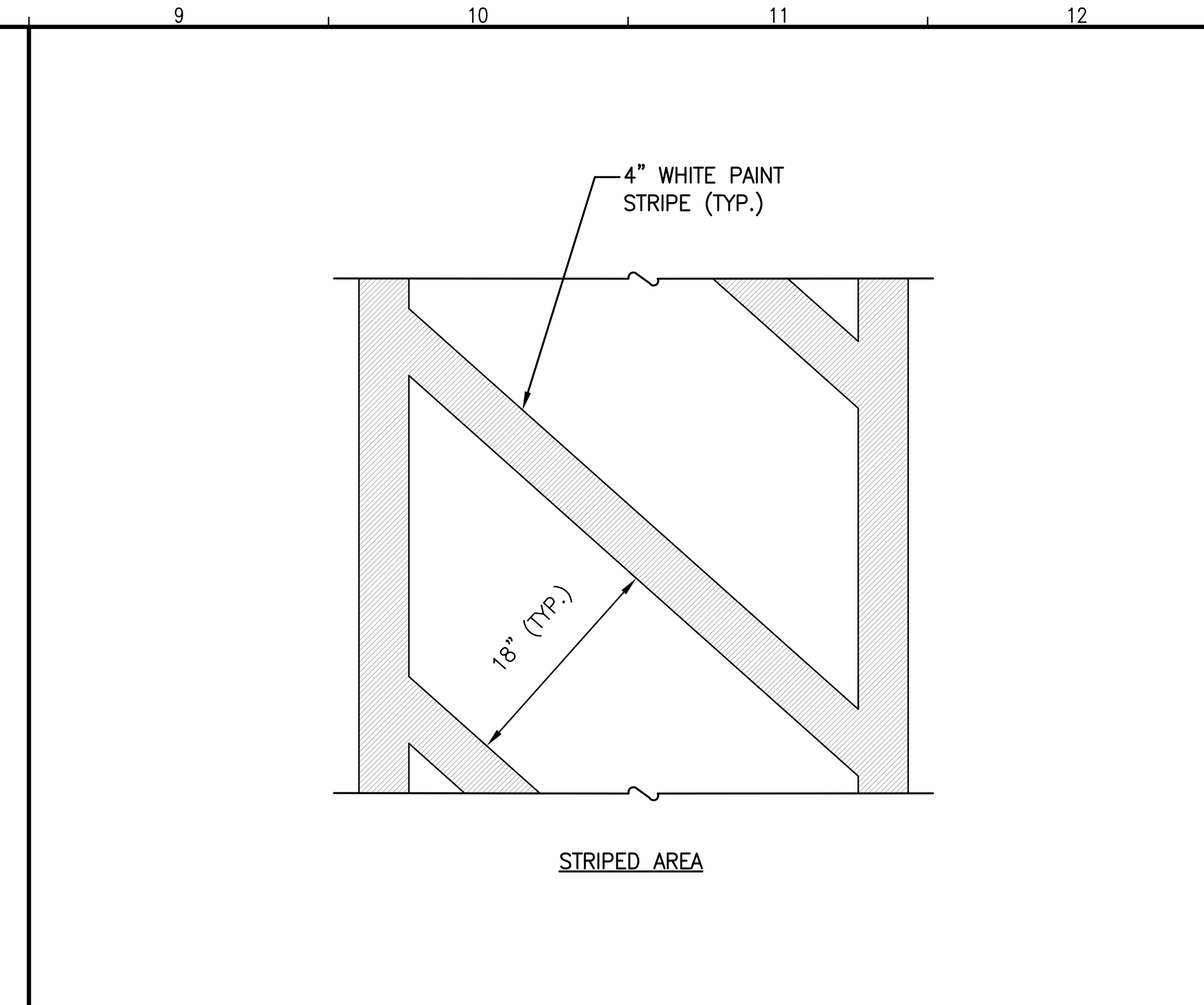
SHEET No.
CP501



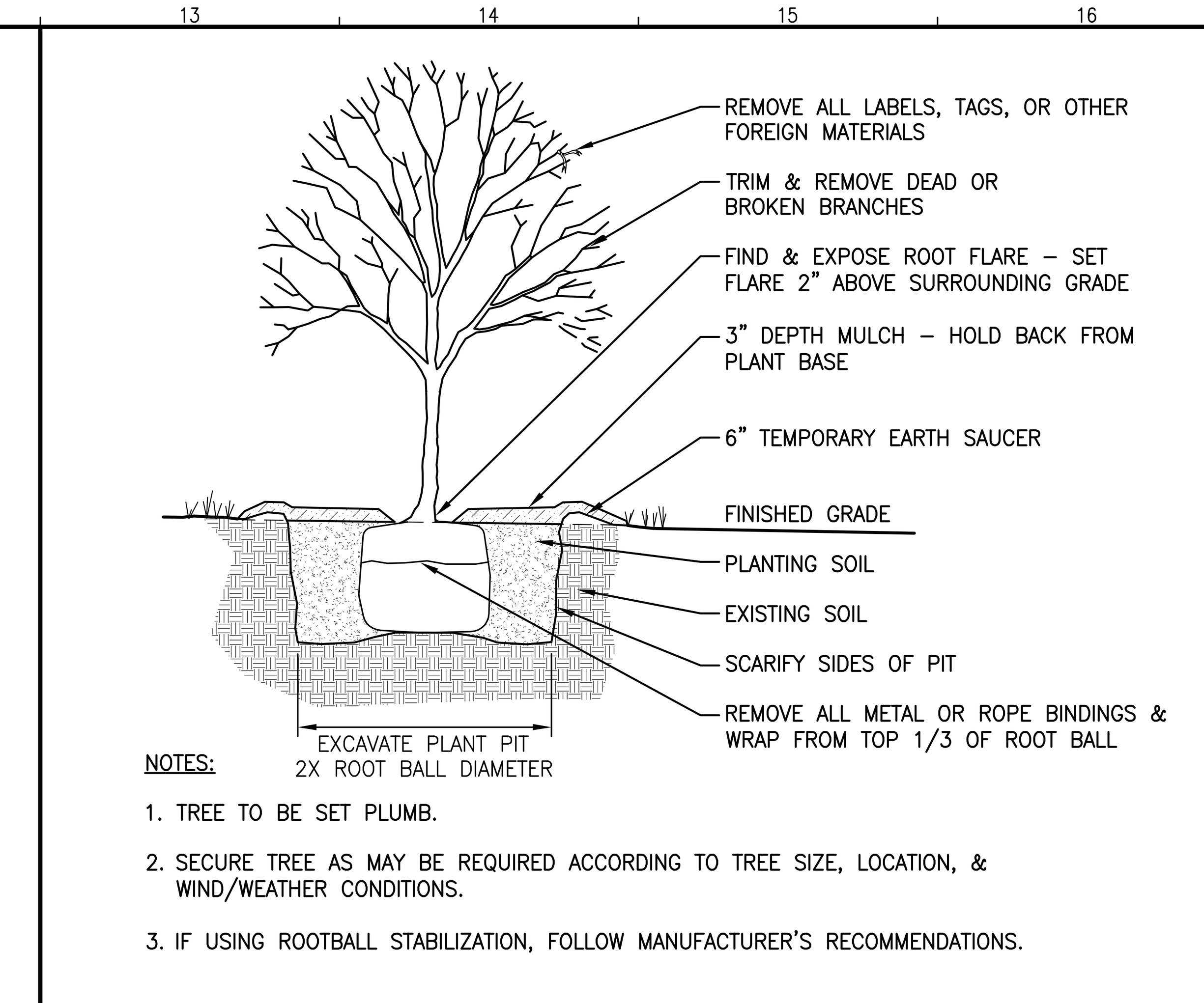
J1	ELECTRICAL HANDHOLE "COMBOX"
NOT TO SCALE	CP101



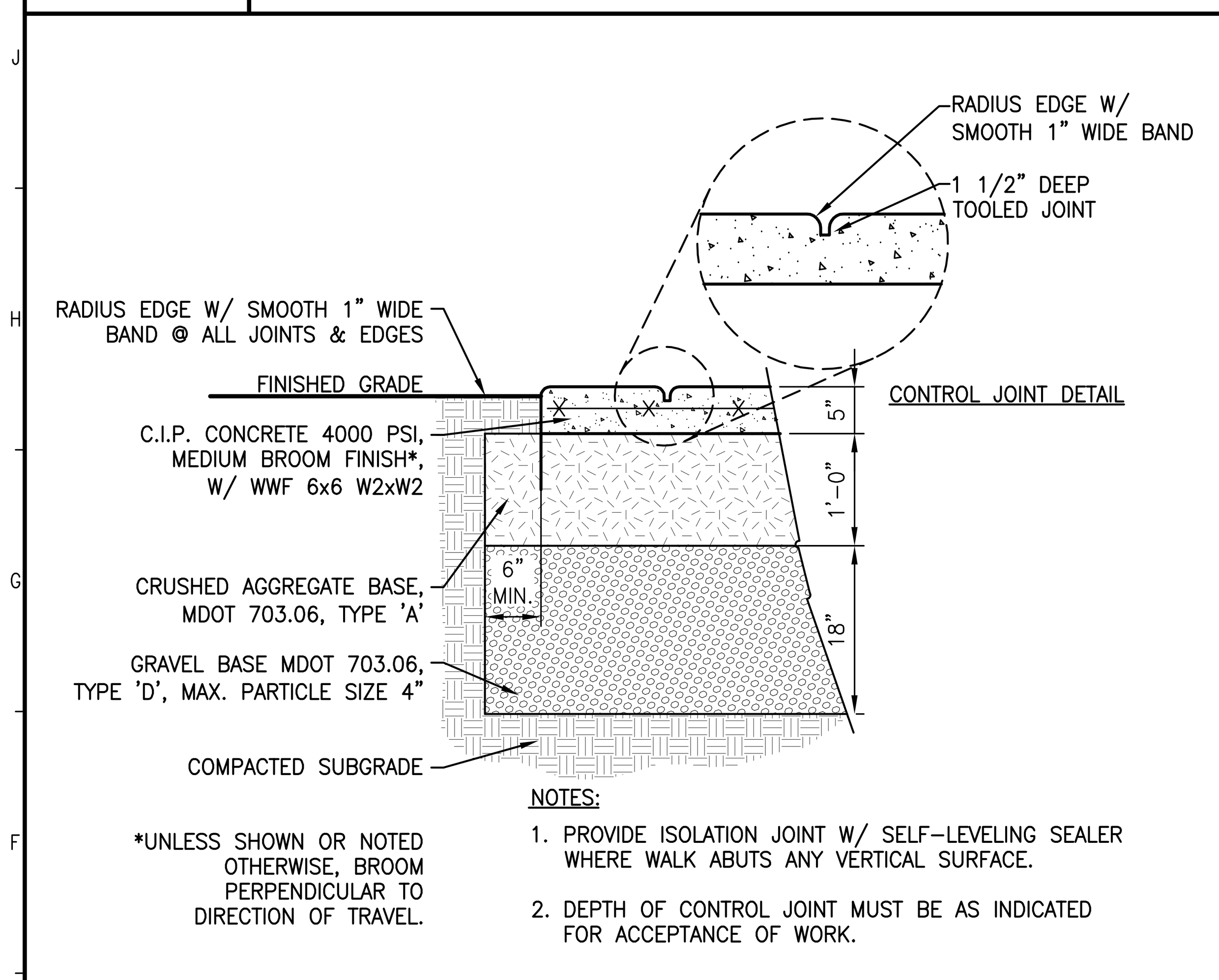
J5	SIGN POST
3/4" = 1'-0"	CP101



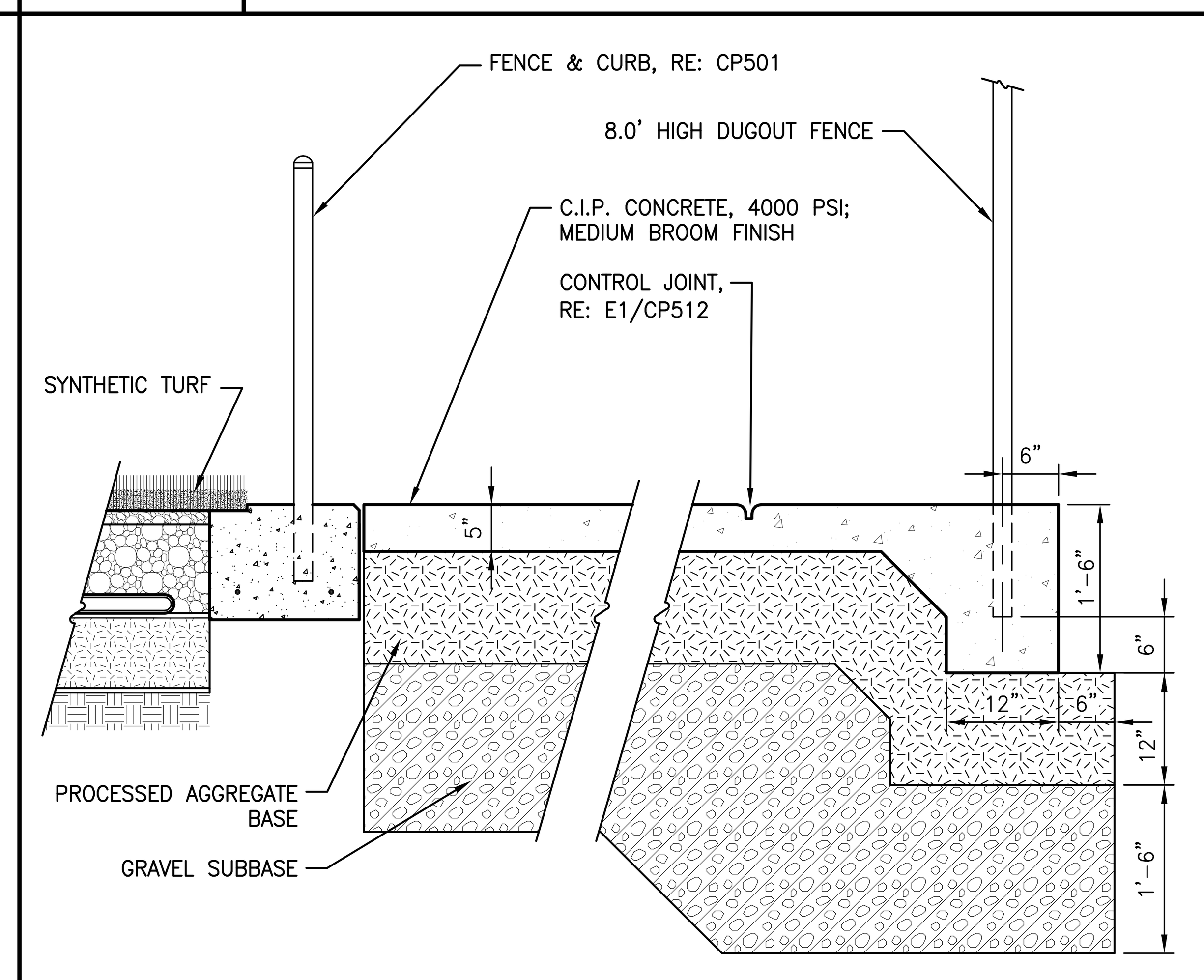
J9	PAVEMENT STRIPING
3/4" = 1'-0"	CP101



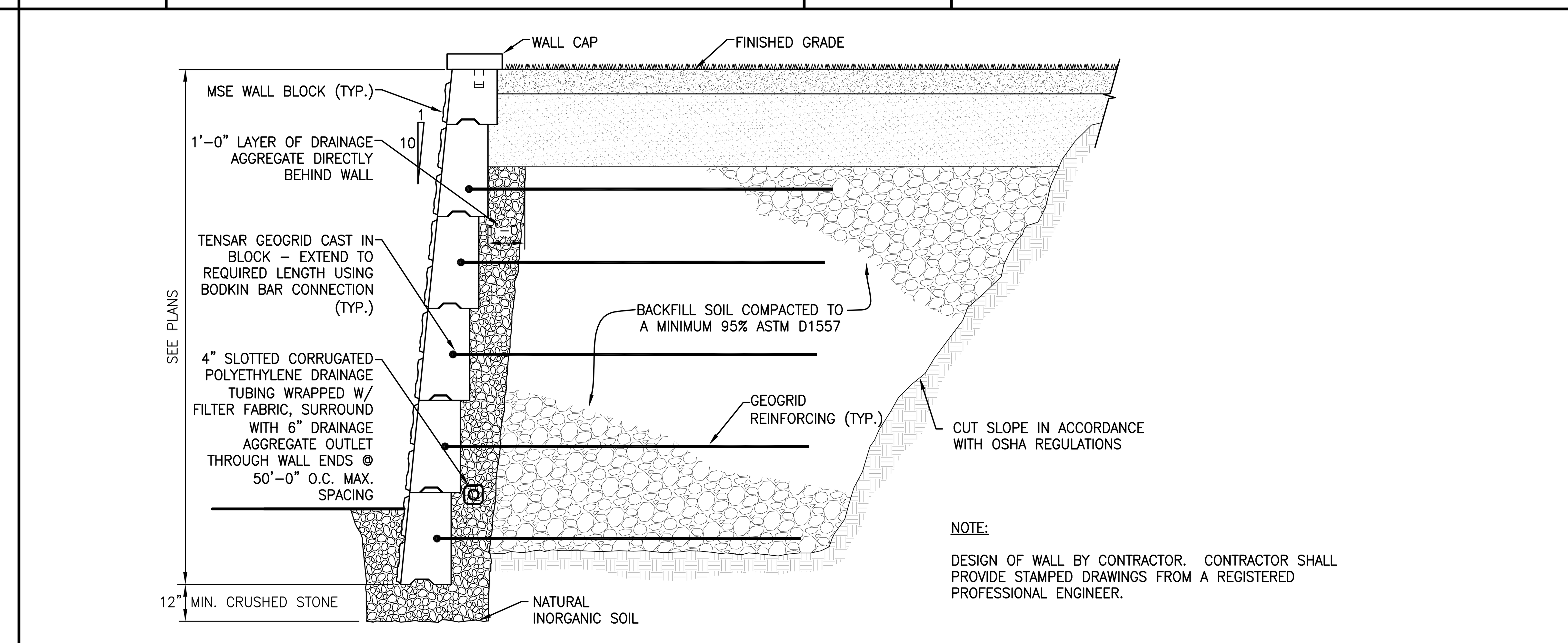
J13	DECIDUOUS TREE PLANTING
NOT TO SCALE	CP101



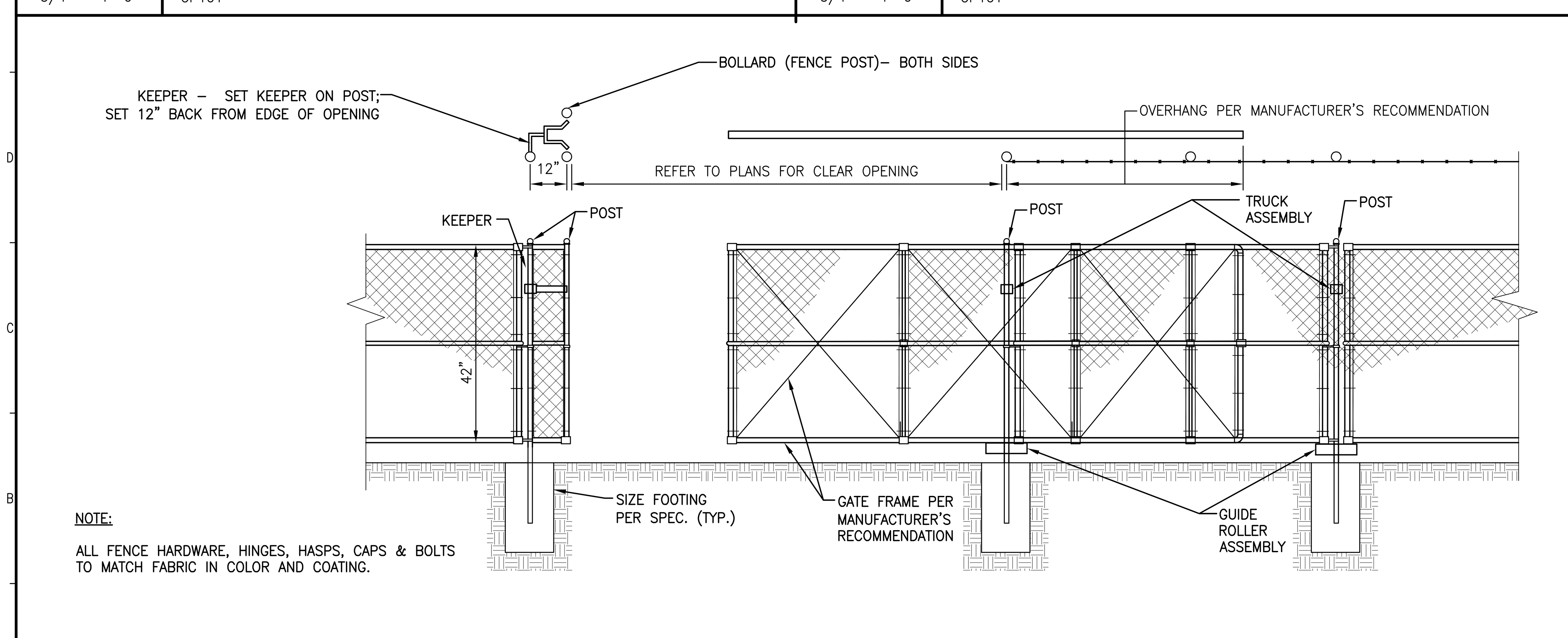
E1	CONCRETE BLEACHER PAD
3/4" = 1'-0"	CP101



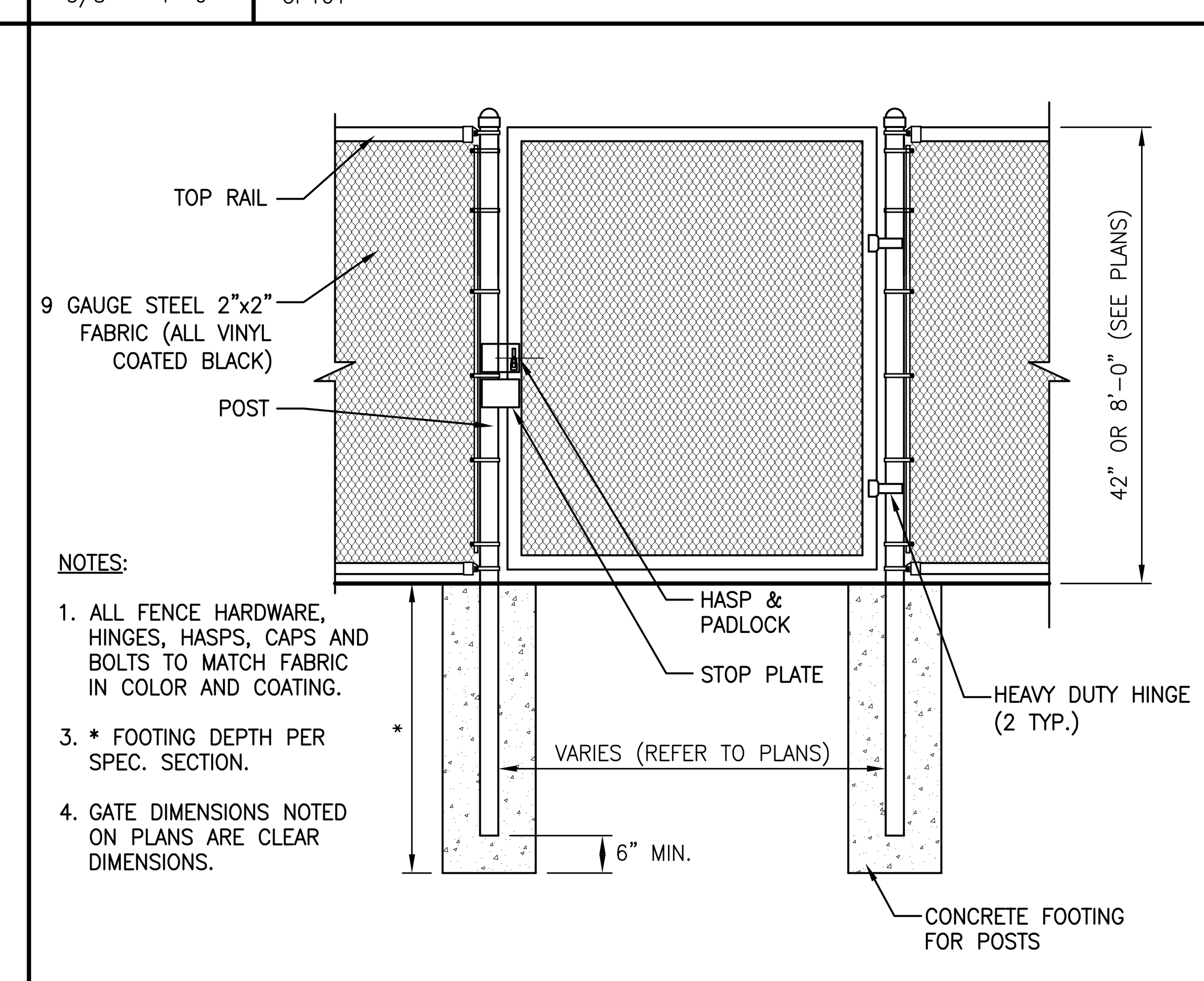
E5	DUGOUT SLAB
3/4" = 1'-0"	CP101



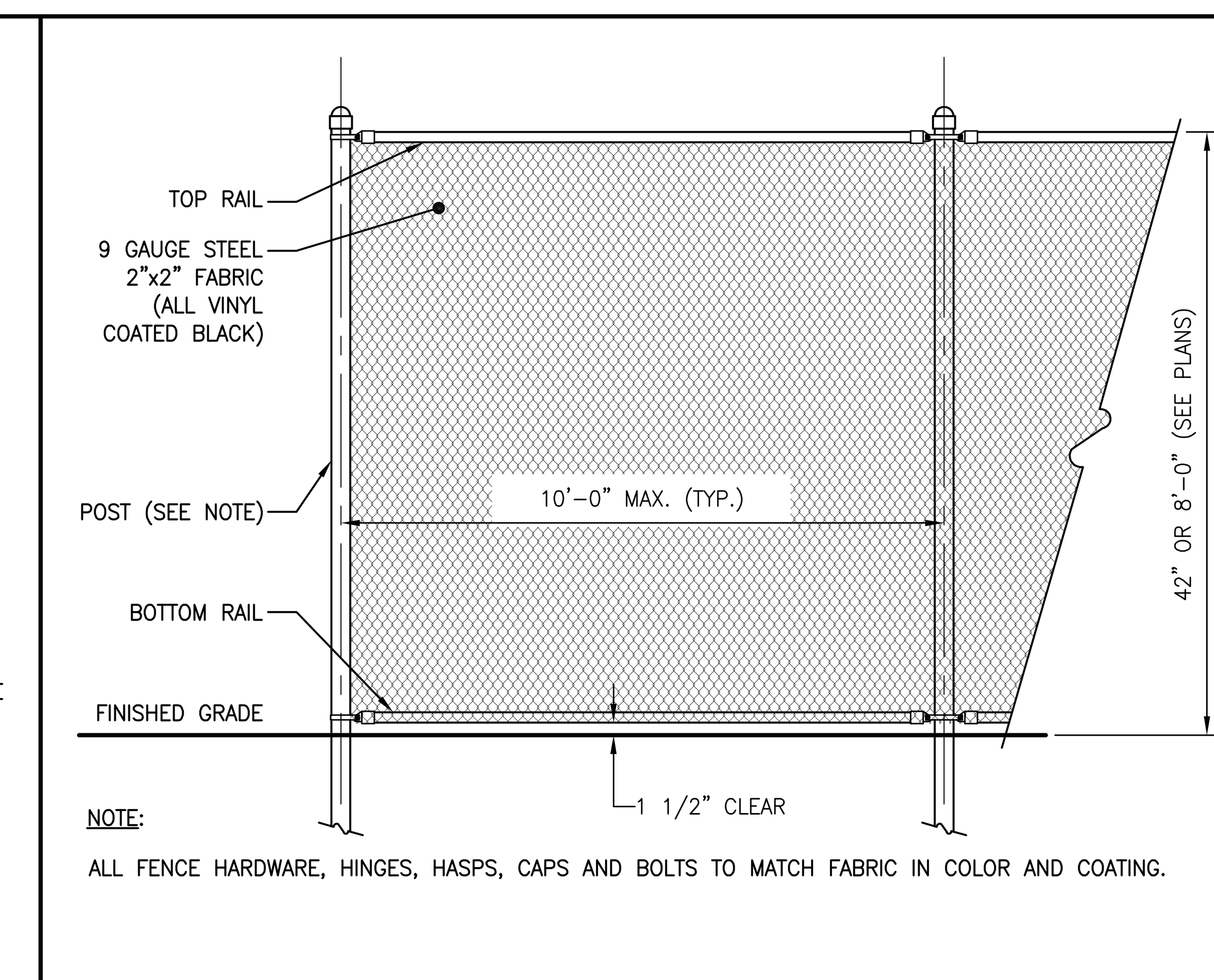
E9	BLOCK RETAINING WALL
3/8" = 1'-0"	CP101



A1	SLIDING GATE
3/8" = 1'-0"	CP101



A9	SINGLE SWING GATE
3/8" = 1'-0"	CP101



A13	CHAIN LINK FENCE
1/2" = 1'-0"	CP101

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11-25-13

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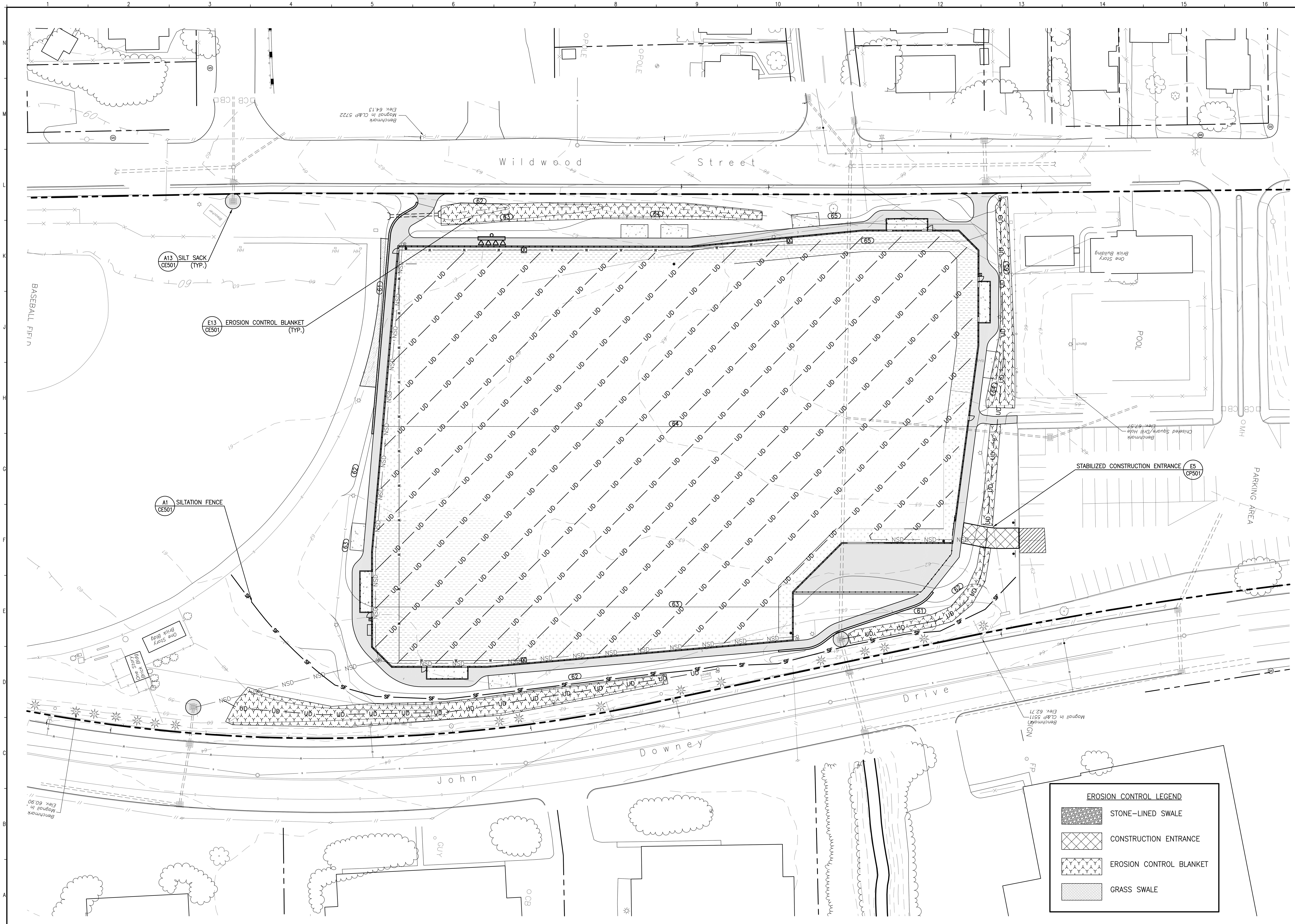
GRAPHIC SCALE: 0" 1"

SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CP502-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
SITE LAYOUT DETAILS

SHEET No.
CP502



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JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CE101-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
EROSION & SEDIMENT CONTROL PLAN

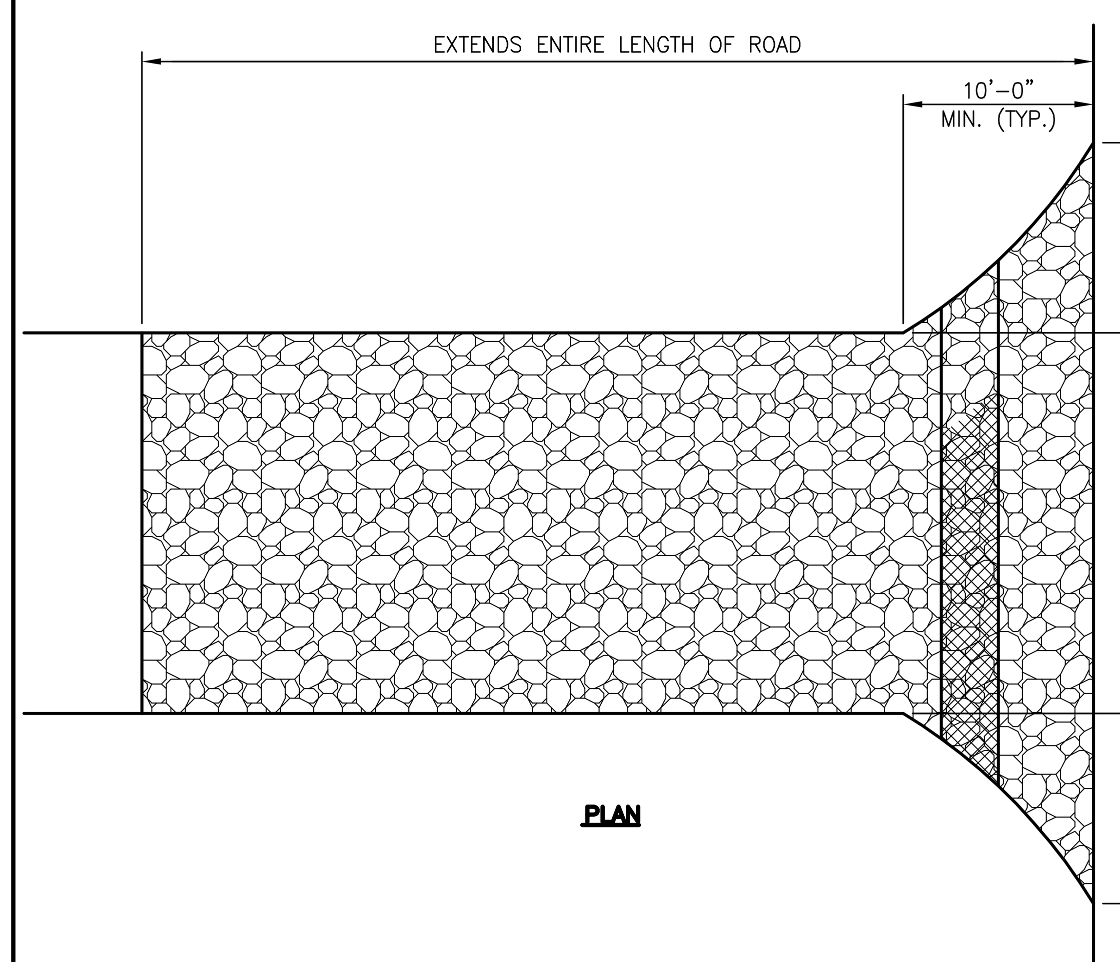
SHEET No.
CE101

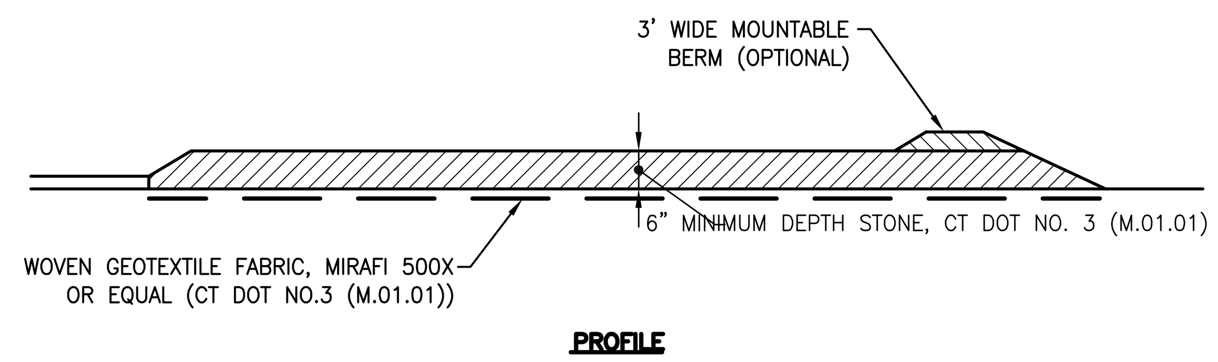
J1	*
*	*

J5	*
*	*

J9	*
*	*

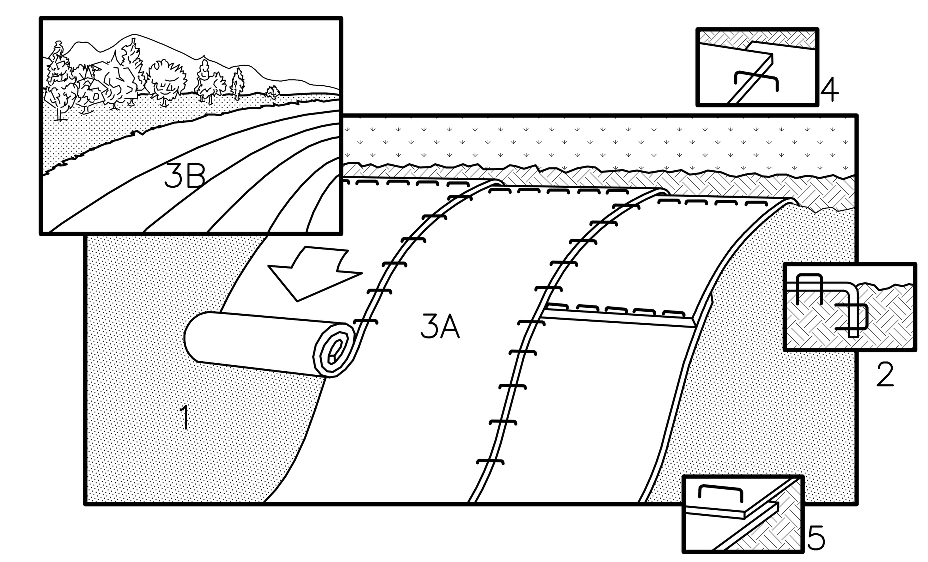
J13	*
*	*





NOTES:

1. THE PURPOSE IS TO REMOVE MUD FROM TIRES OF CONSTRUCTION VEHICLES.
2. WHEN STONE BECOMES CLOGGED AND INEFFECTIVE, TOPDRESS WITH 3" OF NEW STONE OR REPLACE ENTIRE PAD.
3. IF TIRE WASHING IS REQUIRED, WASH WATER SHALL DRAIN INTO AN APPROVED SEDIMENT TRAPPING DEVICE.



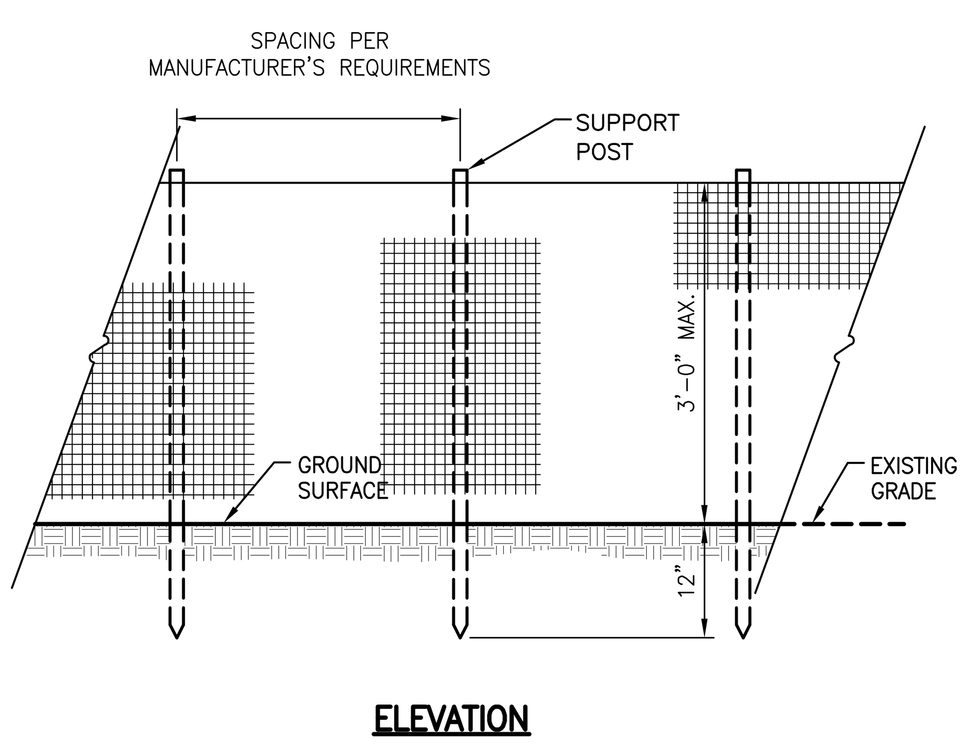
NOTES:

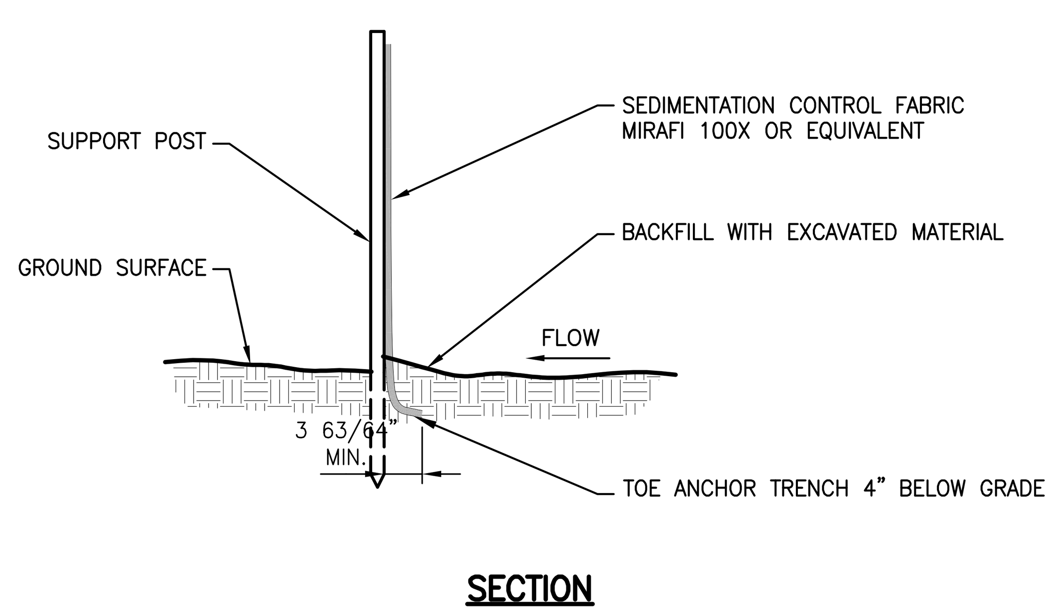
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP. REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

E1	*
*	*

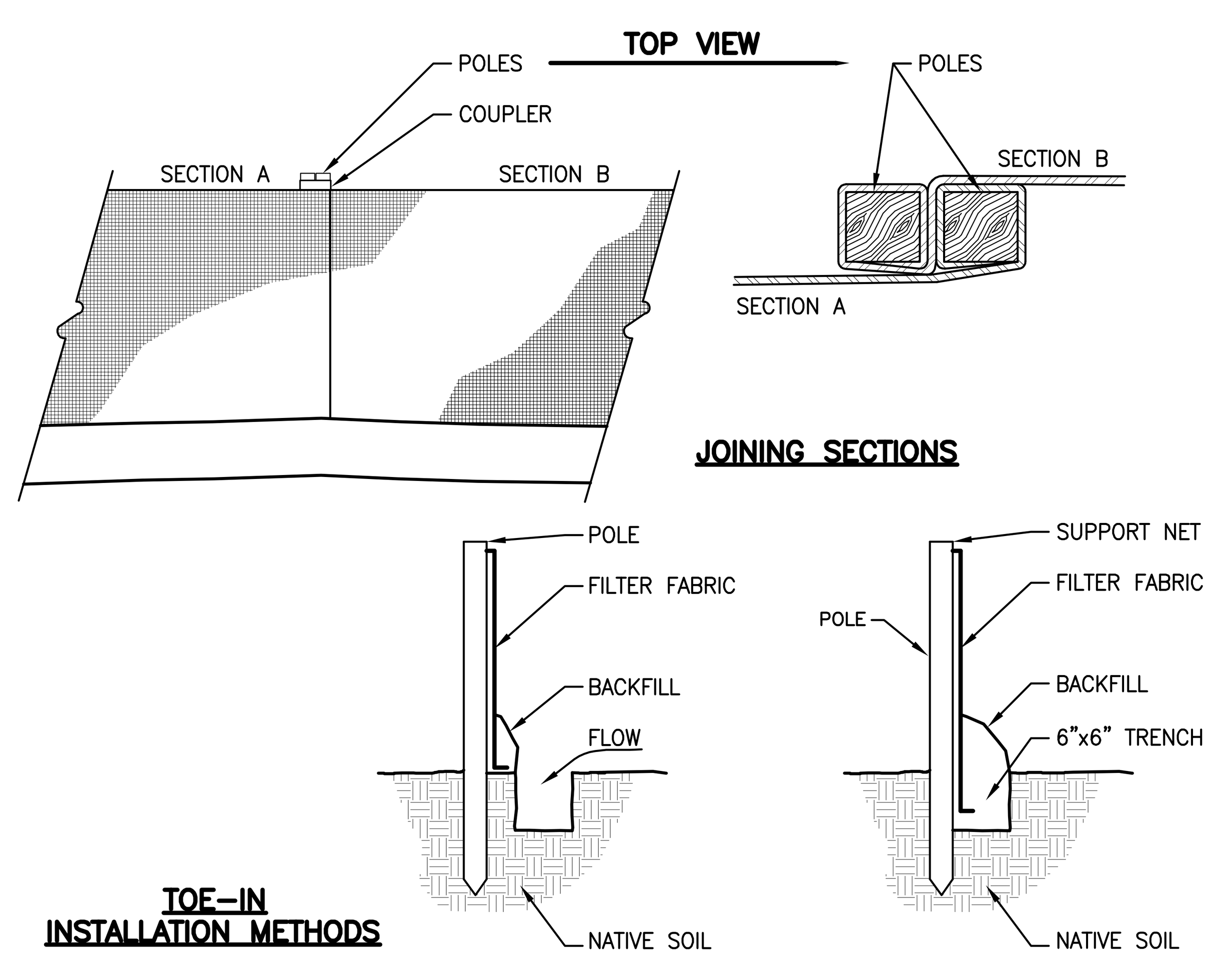
E5	STABILIZED CONSTRUCTION ENTRANCE
1/8" = 1'-0"	CE101

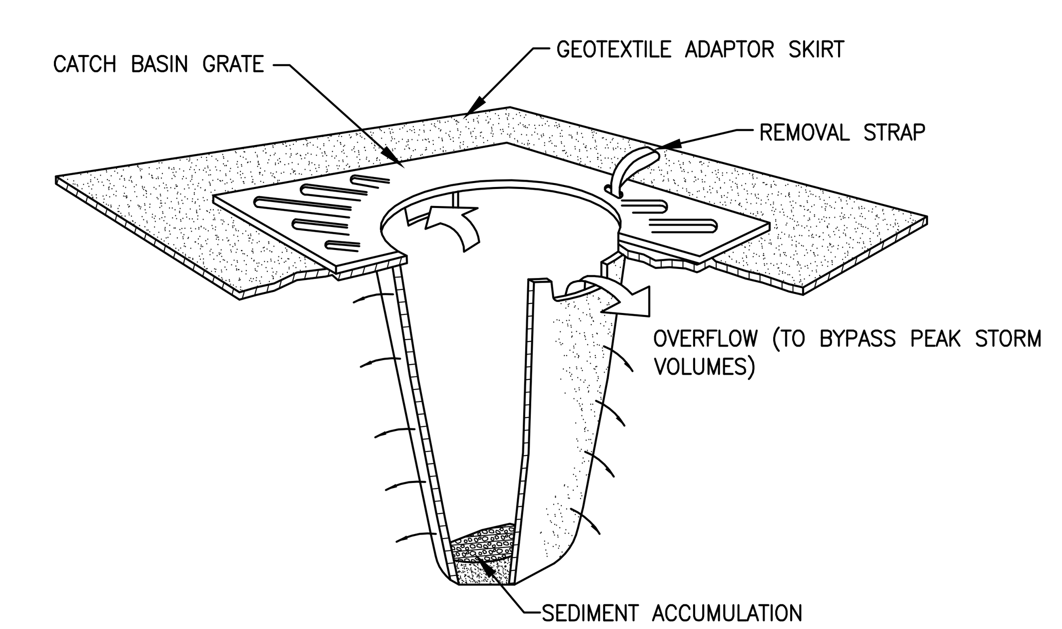
E13	EROSION CONTROL BLANKET
NOT TO SCALE	CE101





NOTE: FOR AREAS OF ROCKY OR FROZEN GROUND, SEE INSTALLATION METHODS.





NOTES:

1. CATCH BASIN PROTECTION TO BE "SILTSACK" (BY ACF ENVIRONMENTAL) OR "STREAM GUARD" (BY FOSS ENVIRONMENTAL SERVICES).
2. INSERT TO BE EMPTIED IN AN APPROVED MANNER WHEN IT IS 1/2 FULL OF SEDIMENT.
3. INSPECT INSERT AFTER ALL RAINFALL EVENTS, REPAIR AND MAINTAIN AS REQUIRED.

A1	SILTATION FENCE
3/4" = 1'-0"	CG101

A13	SILT SACK
NOT TO SCALE	CG101

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NEW BRITAIN ATHLETIC FIELD IMPROVEMENTS
CHESLEY PARK
NEW BRITAIN, CONNECTICUT

ISSUED FOR BIDDING/CONSTRUCTION
11-25-13

CURRENT ISSUE STATUS:

REV	DATE	DESCRIPTION
0	11-25-13	ISSUED FOR BIDDING/CONSTRUCTION

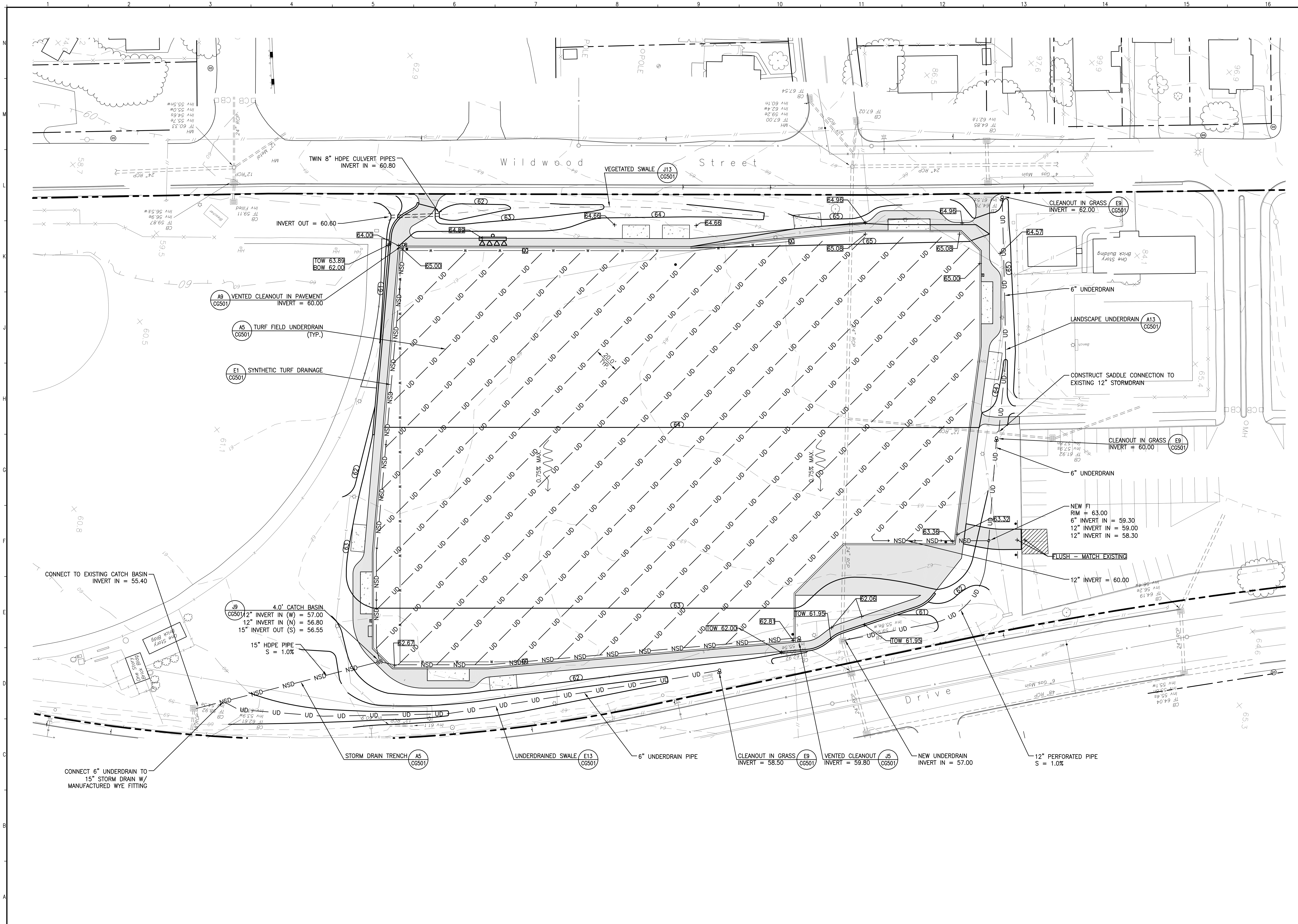
GRAPHIC SCALE: 0" 1"

SCALE:	AS SHOWN
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CE501-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:

EROSION & SEDIMENT CONTROL DETAILS

SHEET No.
CE501



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CURRENT ISSUE STATUS:

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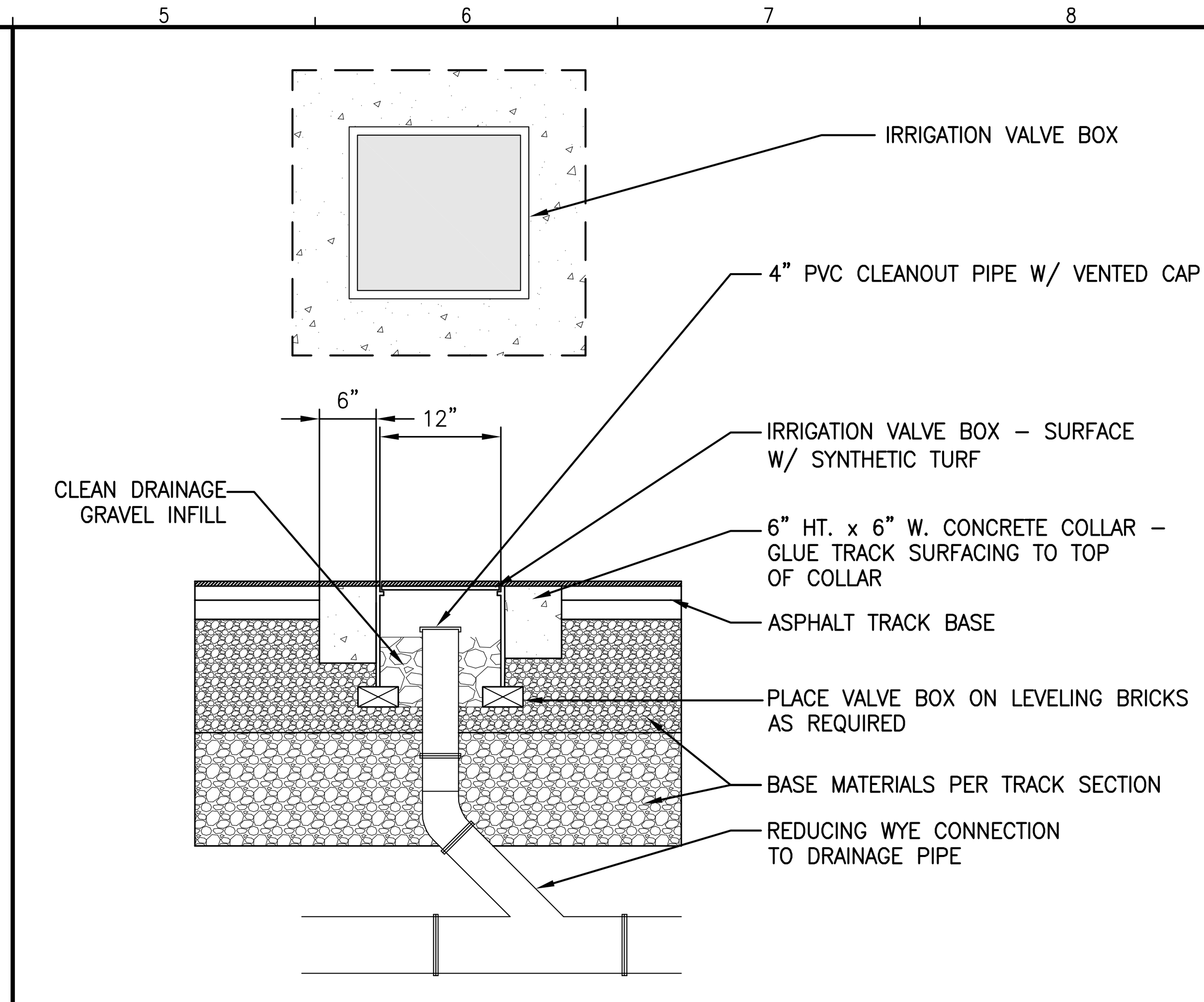
GRAPHIC SCALE:
0" 1"

SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CG101-13096-01
PROJECT NO:	13096
DATE:	11-25-13

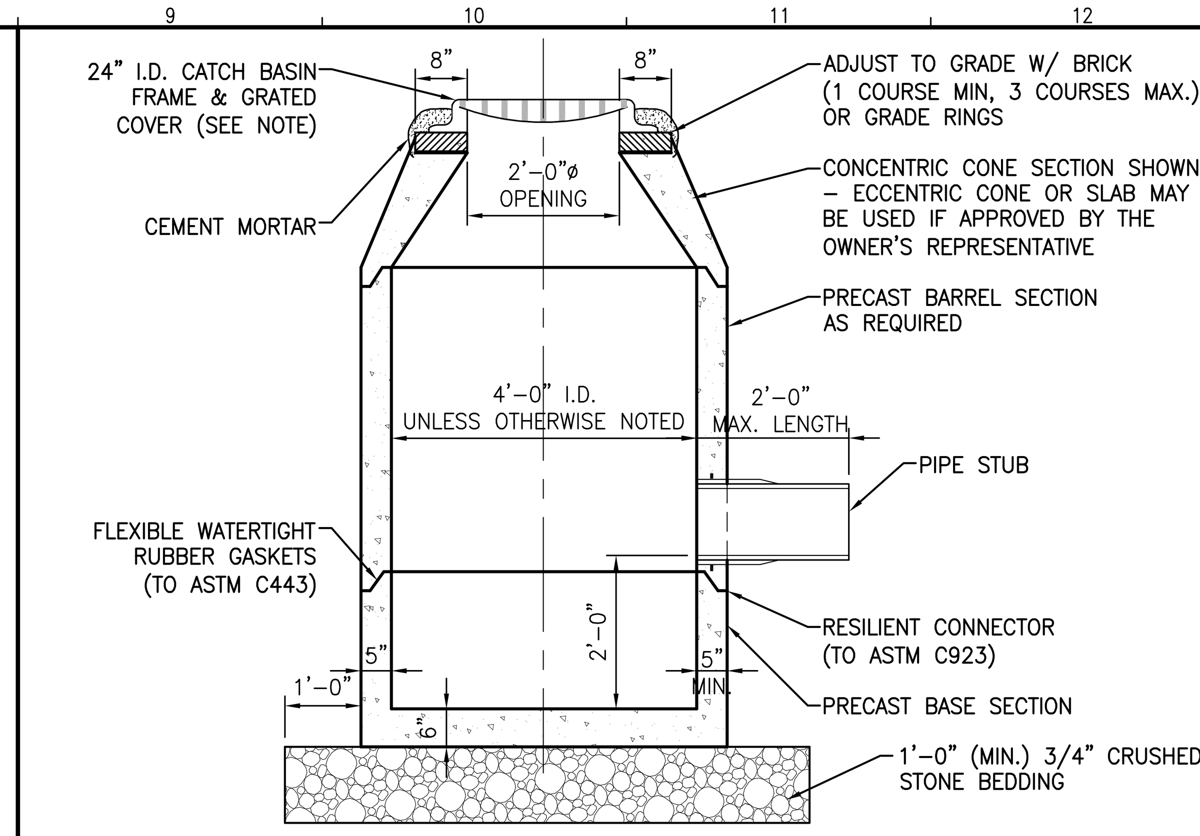
SHEET TITLE:
GRADING & DRAINAGE PLAN

SHEET No.
CG101

J1	*
*	*



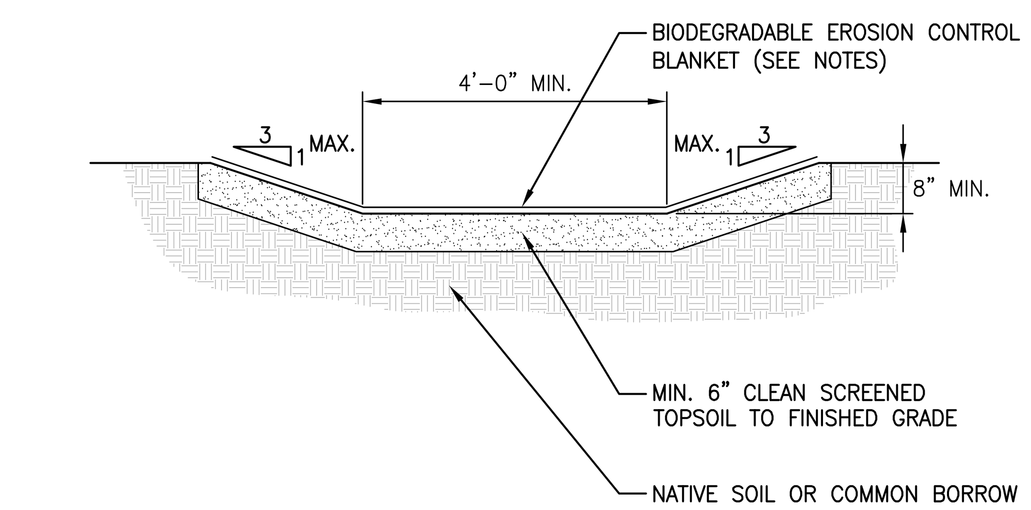
J5	VENTED CLEANOUT
NOT TO SCALE	CG101



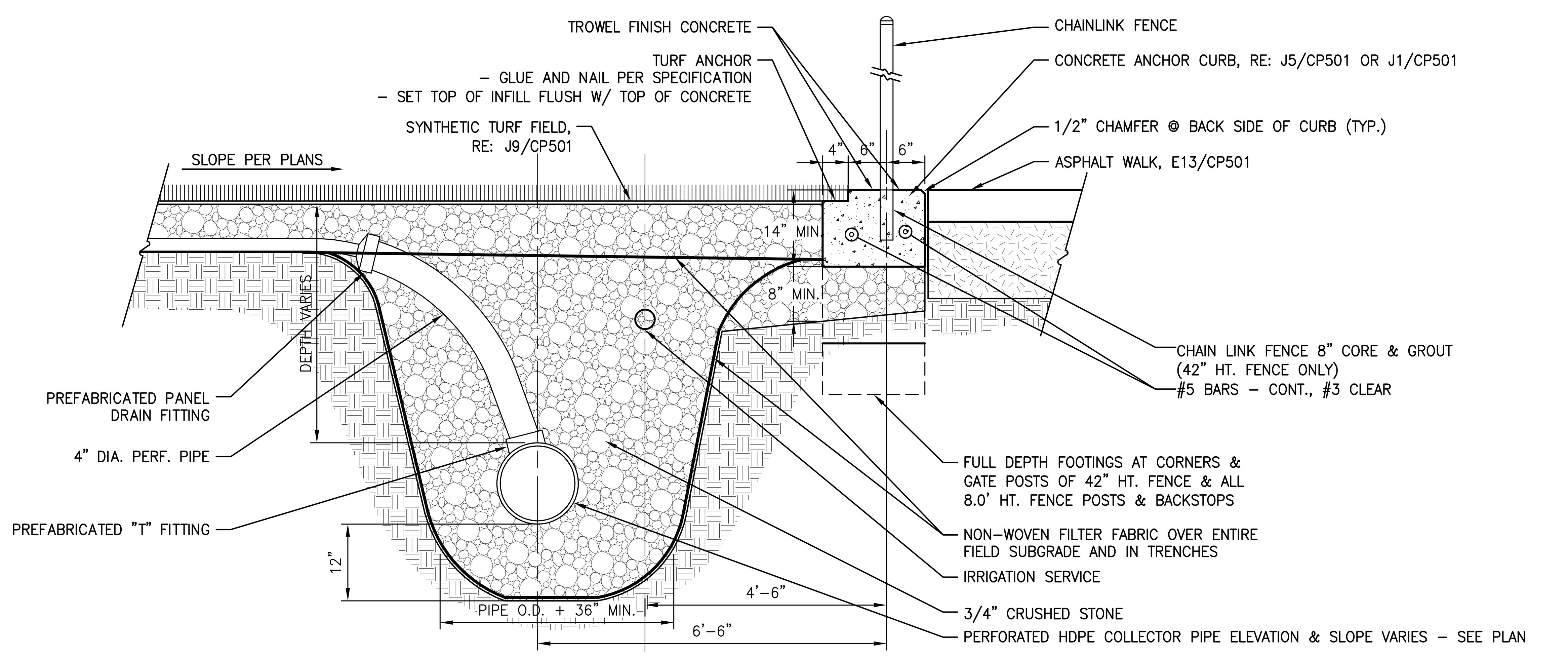
NOTES:

1. STANDARD GRATES SHALL BE NEENAH R-3210-L, OR APPROVED EQUAL. DITCH GRATES SHALL BE NEENAH R-4342, OR APPROVED EQUAL.
2. INCREASE THICKNESS OF PRECAST CONCRETE SECTIONS, OR ADD CONCRETE TO BASE SECTION TO PREVENT FLOTATION.

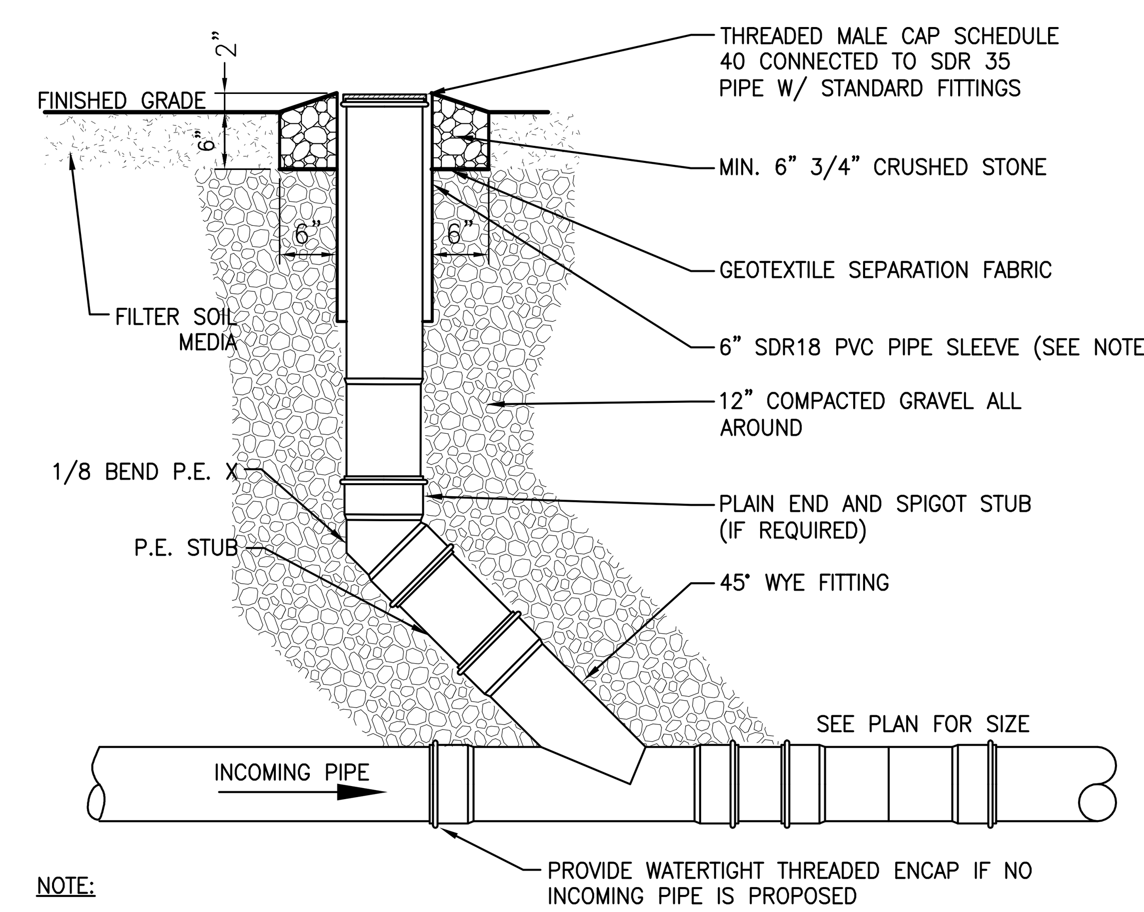
J9	4.0' CATCH BASIN
1/2" = 1'–0"	CG101



J13	VEGETATED SWALE
1/2" = 1'–0"	*



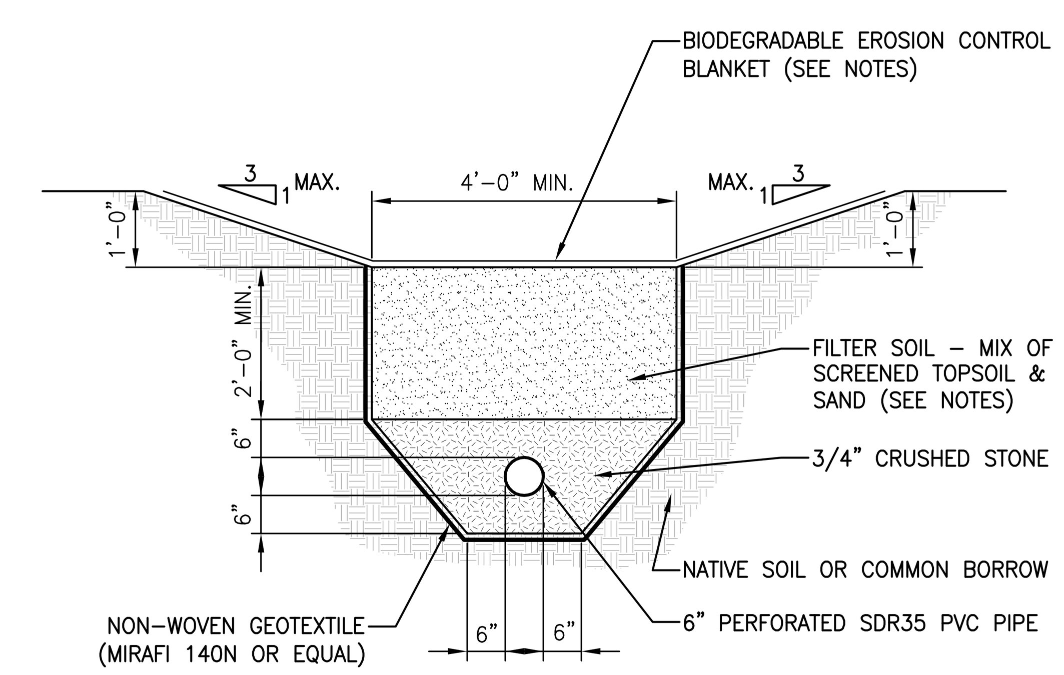
E1	SYNTHETIC TURF DRAINAGE
3/4" = 1'–0"	CG101



NOTE:

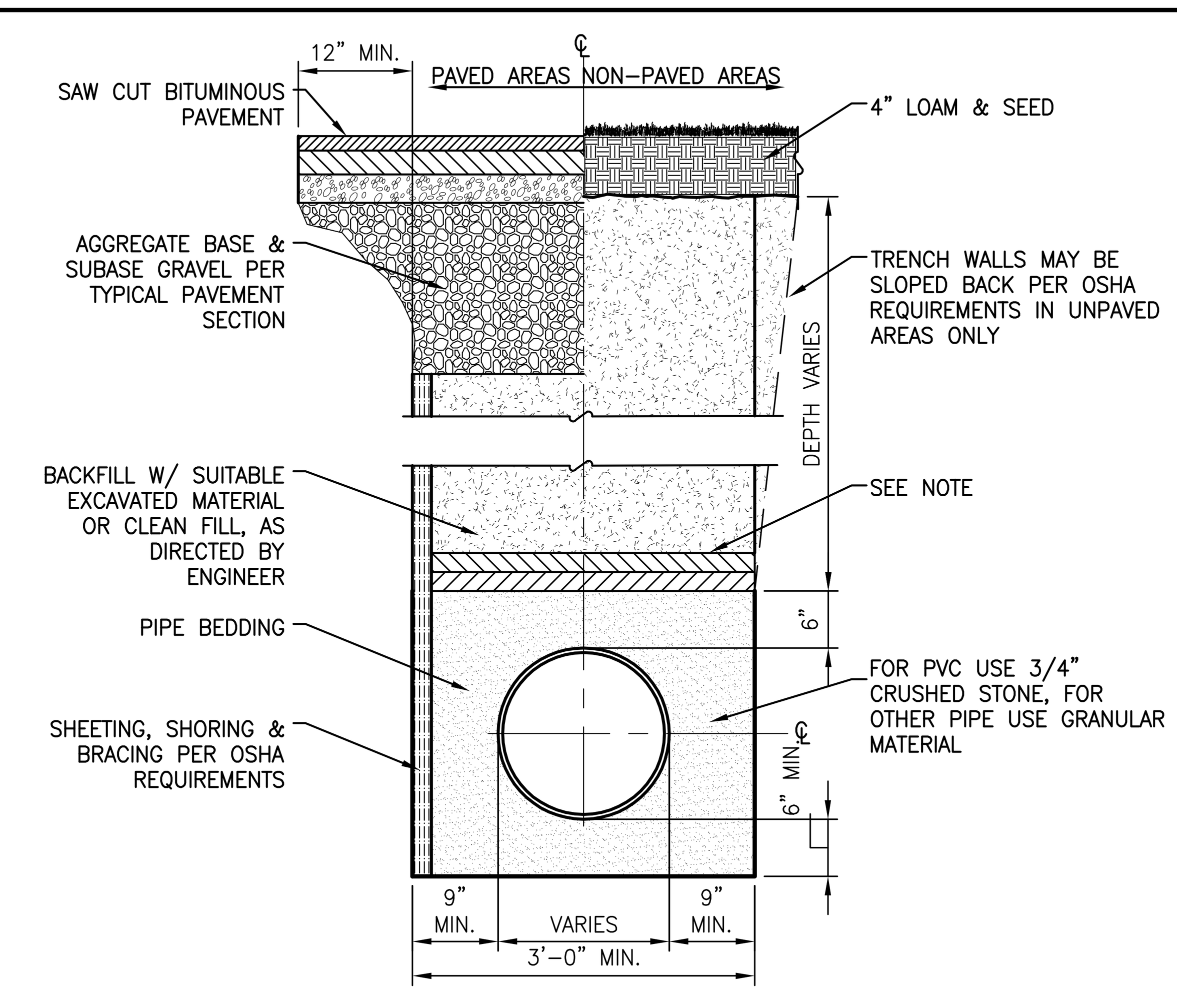
WHERE PIPE & RISER ARE 4"ø USE 6" SLEEVE. WHERE PIPE & RISER ARE 6"ø USE 8" SLEEVE.

E9	CLEANOUT IN GRASS
*	CG101

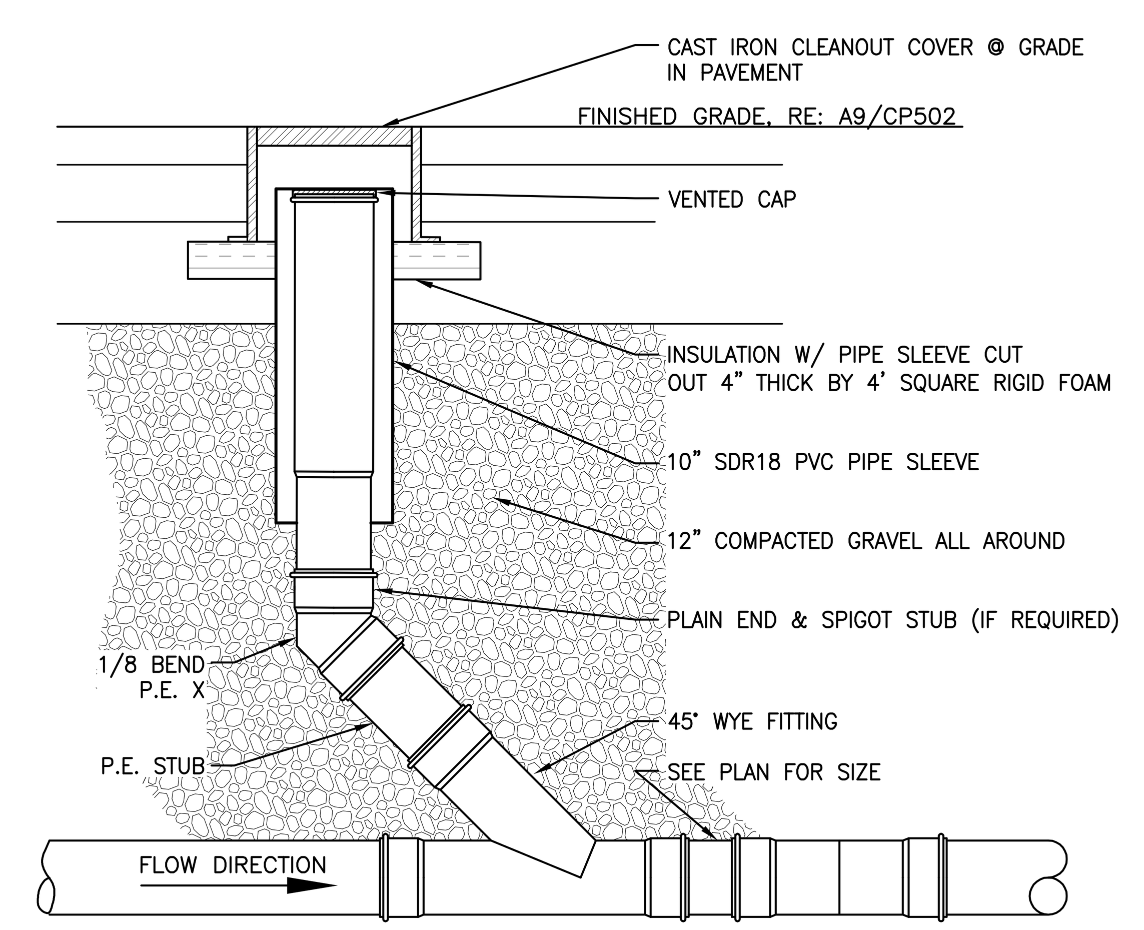


E13	UNDERDRAINED SWALE
1/2" = 1'–0"	CG101

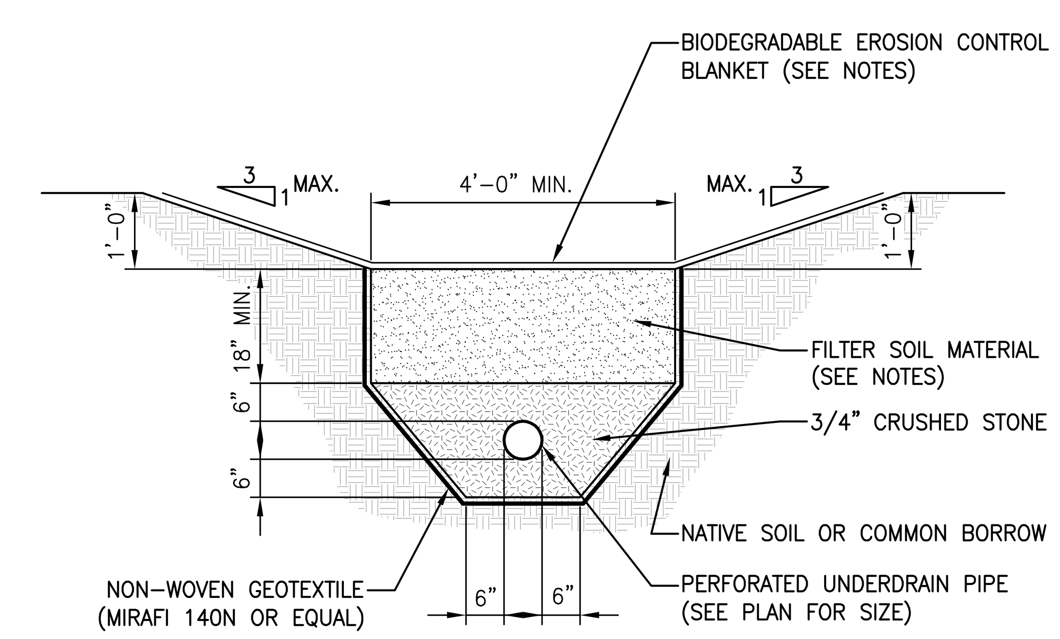
A1	*
*	*



A5	STORM DRAIN TRENCH
3/4" = 1'–0"	CG101



A9	VENTED CLEANOUT IN PAVEMENT
NOT TO SCALE	CG101



A13	LANDSCAPE UNDERDRAIN
1/2" = 1'–0"	CG101

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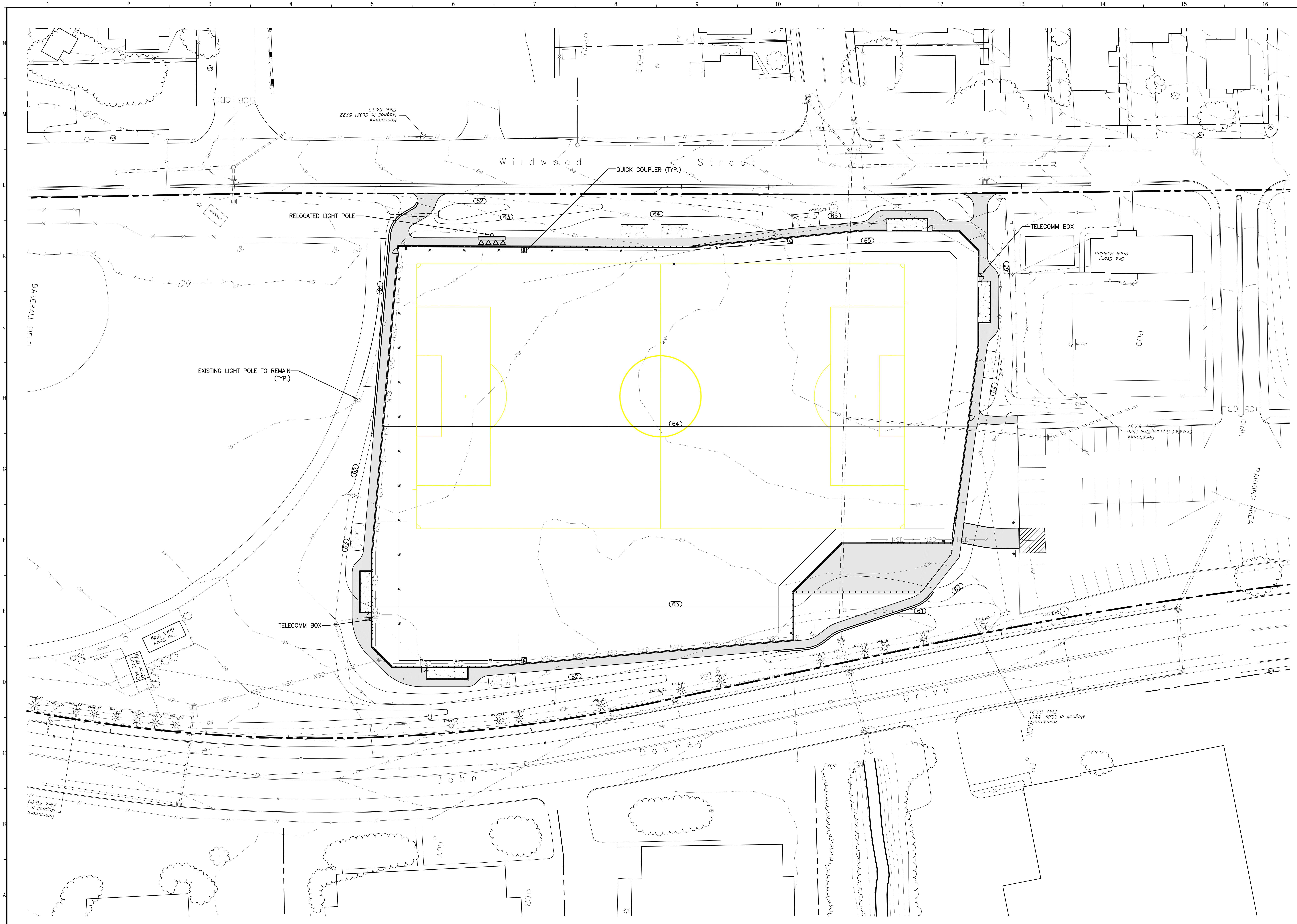
GRAPHIC SCALE: 0" 1"

SCALE:	AS SHOWN
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	ADJ
CAD FILE:	CG501–13096–01
PROJECT NO:	13096
DATE:	11–25–13

SHEET TITLE:
GRADING & DRAINAGE DETAILS

SHEET No.
CG501



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11-25-13

CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
0	ISSUED FOR BIDDING/CONSTRUCTION	11-25-13

GRAPHIC SCALE:
0" 1"

SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CU101-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
UTILITY PLAN

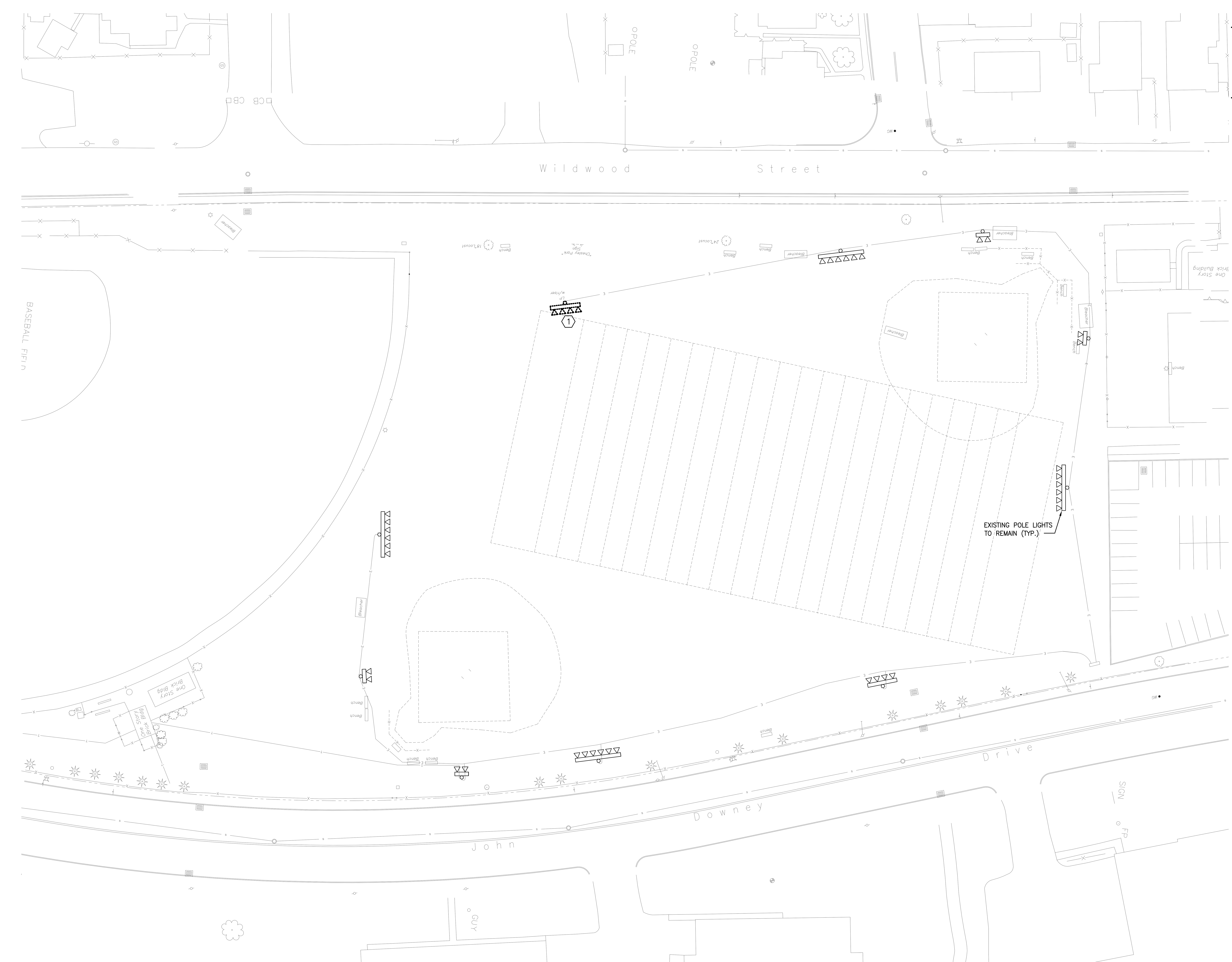
SHEET No.
CU101

NOTE:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTE:

1. EXISTING POLE TO BE REMOVED AND ALL DISCONNECTS AND POLE MOUNTED LIGHTS TO BE RELOCATED TO NEW STEEL POLE AT LOCATION SHOWN ON ES101. RE-ROUTE EXISTING CONDUIT AND WIRING AS REQUIRED TO ACCOMMODATE NEW POLE LOCATION. INSTALL NEW WIRING FROM AS REQUIRED SO THAT THERE ARE NO SPLICES LOCATED WITHIN THE AREA TO BE WITH ARTIFICIAL TURF.



A1 SITE PLAN

1" = 30'

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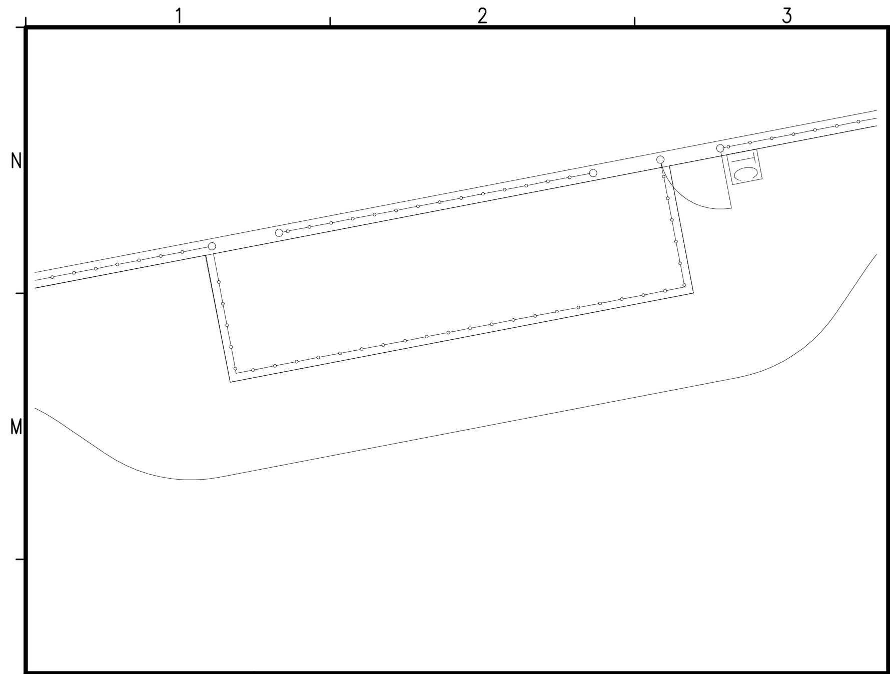
SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	CDS
A/E OF RECORD:	DJT
CAD FILE:	ED101-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:

ELECTRICAL SITE DEMOLITION PLAN

SHEET No.

ED101



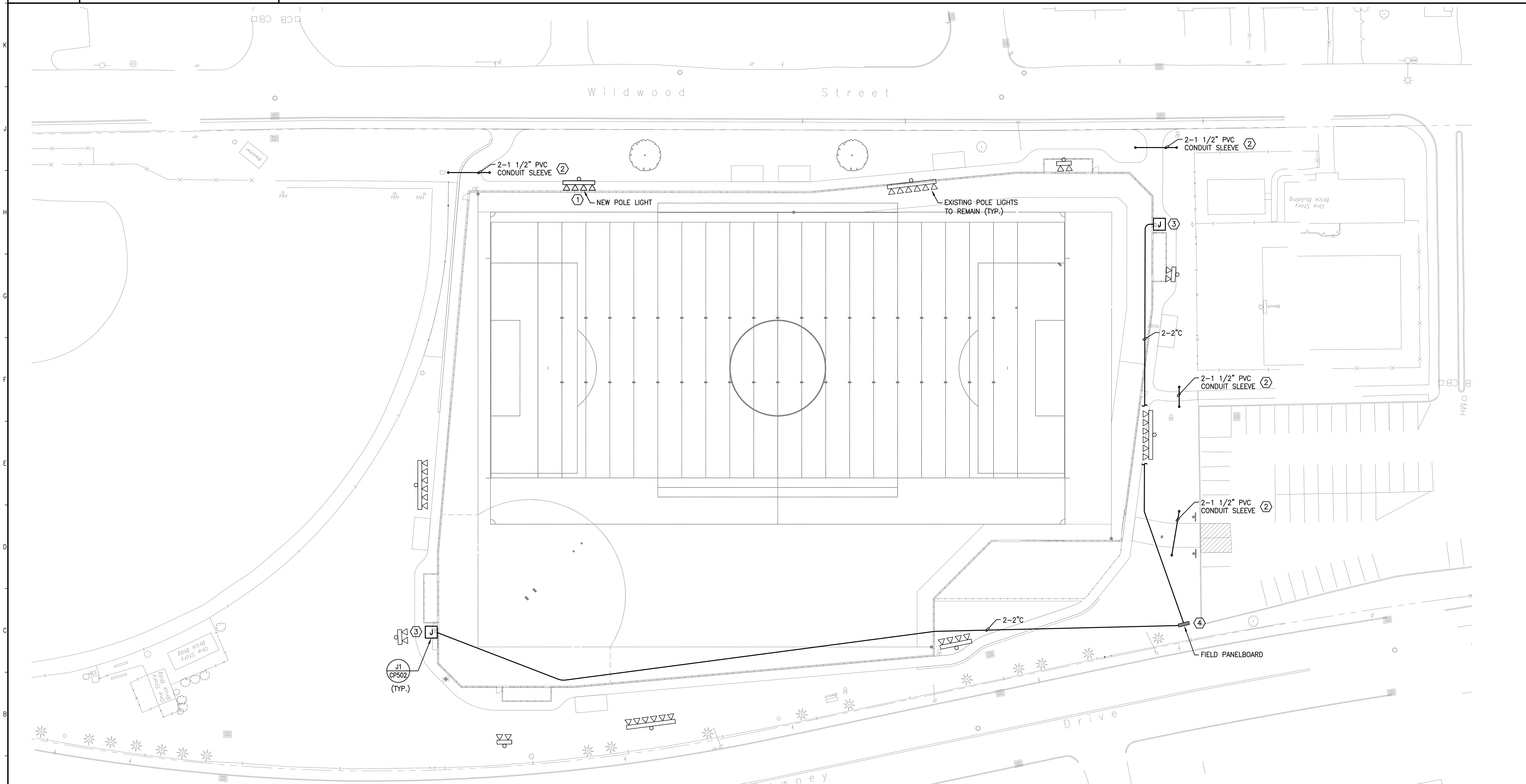
L1 TYPICAL DUGOUT PLAN
1" = 10'

KEYED NOTES:

1. FURNISH & INSTALL A NEW MUSCO MODEL #LSG-60-5 OR EQUAL STEEL POLE TO MOUNT RELOCATED LIGHTS AND DISCONNECTS ON. SEE ED101 FOR LOCATION OF EXISTING LIGHTS. MODIFY EXISTING CONDUIT AND WIRING AS REQUIRED TO ACCOMMODATE LOCATION OF NEW POLE.
2. RUN NEW CONDUITS WITH PULL STRINGS SIZED AS INDICATED UNDER NEW PAVED DRIVES AND WALKWAYS. CONDUITS TO BE CAPPED ON BOTH ENDS FOR FUTURE USE.
3. NEW DUAL COMPARTMENT SYNTHETIC TURF COMMUNICATION BOX TO BE FURNISHED & INSTALLED BY SITE CONTRACTOR. INSIDE ONE COMPARTMENT OF EACH NEW COMMUNICATIONS BOX FURNISH & INSTALL A NEW "IN USE" WEATHERPROOF GFCI DUPLEX RECEPTACLE FED FROM NEW BRANCH CIRCUIT FROM FIELD PANEL. RUN CONDUITS AS INDICATED BETWEEN NEW COMMUNICATIONS BOXES AND RUN POWER CONDUITS INTO ONE COMPARTMENT AND COMMUNICATIONS CONDUIT INTO THE SECOND COMPARTMENT.
4. IN EXISTING FIELD PANELFURNISH A NEW 15 AMP, SINGLE POLE BREAKER TO FEED NEW RECEPTACLES IN NEW COMMUNICATIONS BOXES. RECEPTACLES TO BE FED VIA A 2 KVA STEP DOWN TRANSFORMER MOUNTED WITHIN THE THE FIELD PANEL ENCLOSURE. WIRING FROM TRANSFORMER TO RECEPTACLES TO BE 2#8 AWG & #10 GND.

NOTE:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.



A1 SITE PLAN
1" = 30'

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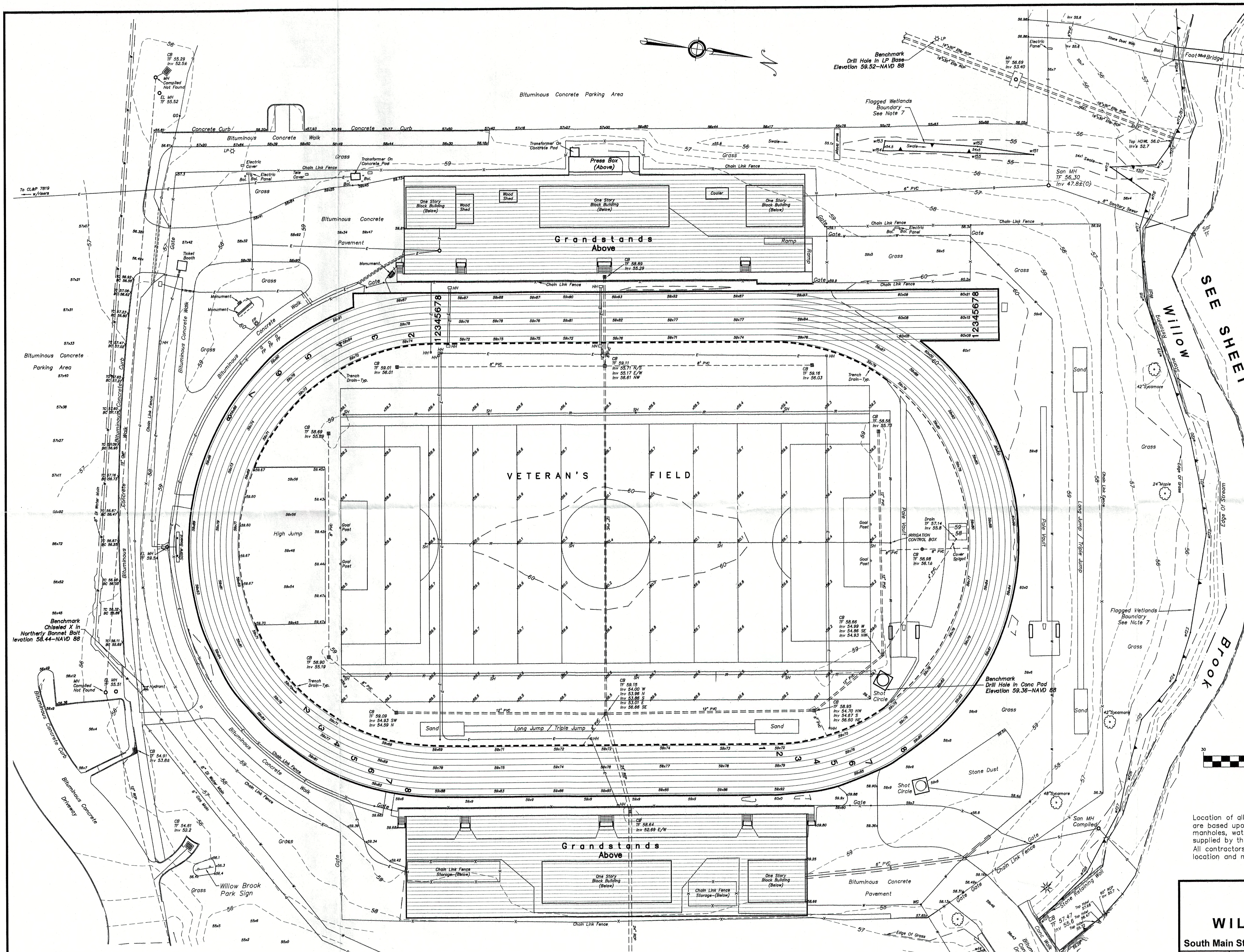
GRAPHIC SCALE: 0" 1"

SCALE:	AS NOTED
PROJECT MANAGER:	RFW
JC/DRAWN BY:	CDS
A/E OF RECORD:	DJT
CAD FILE:	ES101-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
ELECTRICAL SITE PLAN

SHEET No.
ES101



SURVEY NOTES

1. This survey and map have been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.

2. The type of survey performed and the mapped features depicted hereon are in accordance with the requirements of a Topographic Survey.

3. There is no Boundary determination/opinion as part of this survey

Property Lines as depicted compiled from the following maps:

A. Boundary and Wetlands Map Willow Brook Park
South Main Street and Mill Street Scale 1"=80'
Dated November 1994 sheet 2 of 7 Job #0338
Prepared By City of New Britain Bureau Of Engineering

B. Connecticut Department Of Transportation Bureau Of Highways
Right Of Way Map Town of Berlin-Central CT Expressway Connector
From the New Britain Town Line Easterly to The Central CT

City of New Britain Engineering Department, Property Lines were not verified as part of this survey and are approximate only.

"THIS PLAN WAS COMPILED FROM OTHER MAPS, EWCOED RESEARCH OR OTHER SOURCES OF INFORMATION. IT IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE"

4 This survey conforms to a Topographic Accuracy Class T-2
This survey conforms to a Vertical Accuracy Class V-2

5. Coordinates and Bearings as depicted hereon are based upon a Connecticut Grid North Utilizing the following survey control stations;

CGS Station TM-2	N 298,208.47	E 593,320.18 (NAD27)
DOT RAN-2047	N 296,163.61	E 594,165.68 (NAD27)

6. Existing contours and elevations depicted hereon based upon field survey by Bolduc Land Consultants, LLC utilizing the following benchmark CGS Station TM-2 With a published elevation of 98.837 (NAVD 88)

7. Inland Wetlands Flags As Depicted were flagged by Scott D. Stevens Registered Soil Scientist of Soil science and Environmental Services, Inc. on September 17 & 19, 2013 and field located by Bolduc Land Consultants, LLC

Legend

Property Line
Easement Line
Fence Line (Type Labeled)
Overhead Wire
Calculated Property Corner
T — Underground Telephone (Approx. Location)
G — Underground Gas (Approx. Location)
W — Underground Water (Approx. Location)
S — Underground Sanitary Sewer (Approx. Location)
E — Underground Electric (Approx. Location)
IR — Underground Irrigation (Approx. Location)
Underground Storm Sewer (Approx. Location)
LP Light Pole
CB Catch Basin
MH Manhole
SH Sprinkler Head
GG Gas Gate
WG Water Gate
Utility Pole
Tree
— 42 — Existing Contour
47x73 Existing Spot Grade

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

Location of all underground utilities shown hereon are approximate and are based upon field location of visible structures such as catch basins, manholes, water gates, etc., and compiling information from plans supplied by the respective utility companies and government agencies. All contractors will contact Call-Before-You-Dig at 1-800-922-4455 for location and markout of utilities prior to any excavation.

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

NORMAND D. BOLDUC CT. L.S. #17,680

Topographic Survey
Portion Of
WILLOWBROOK PARK
South Main Street **New Britain, Connecticut**

DATE 09/19/13 SCALE 1"=30'	COMPS NDB	DRAWN NDB	FB. NO. 73	DISK NO. JOB NO.	PROJECT NO. 13-032

Bolduc Land Consultants, LLC
LAND SURVEYORS & LAND PLANNERS
1237 East Main Street
Meriden, Connecticut 06450
Ph 203-440-1746 - Fax 203-440-2051

SHEET 1 of 2

SURVEY NOTES

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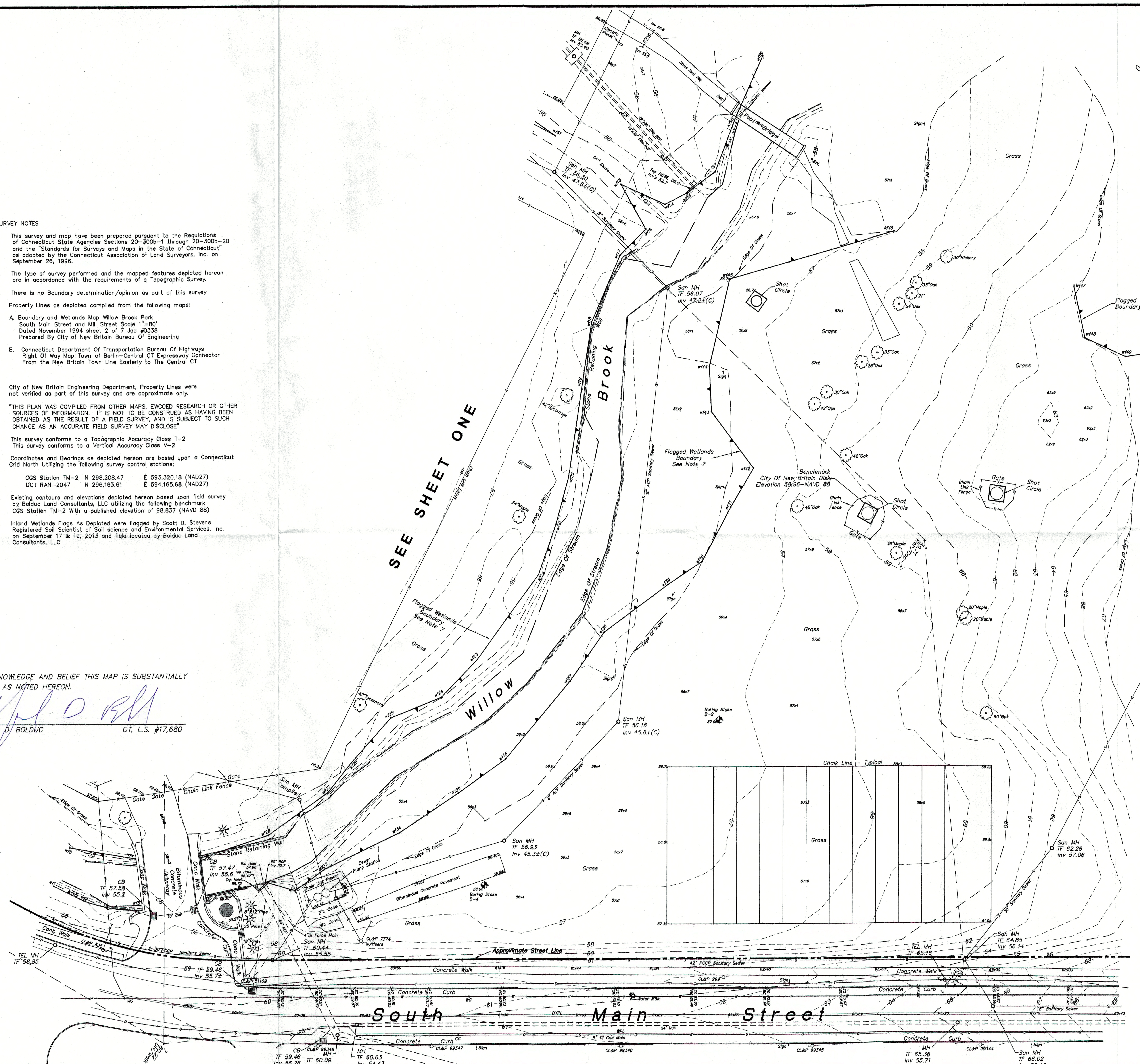

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

NORMAND D. BOLDUC CT. L.S. #17,680

Legend

- Property Line
- Easement Line
- Fence Line (Type Labeled)
- Overhead Wire
- Calculated Property Corner
- T Underground Telephone (Approx. Location)
- G Underground Gas (Approx. Location)
- W Underground Water (Approx. Location)
- S Underground Sanitary Sewer (Approx. Location)
- E Underground Electric (Approx. Location)
- Underground Storm Sewer (Approx. Location)
- LP Light Pole
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- MH Manhole
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- WG Water Gate
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- 42 Existing Contour
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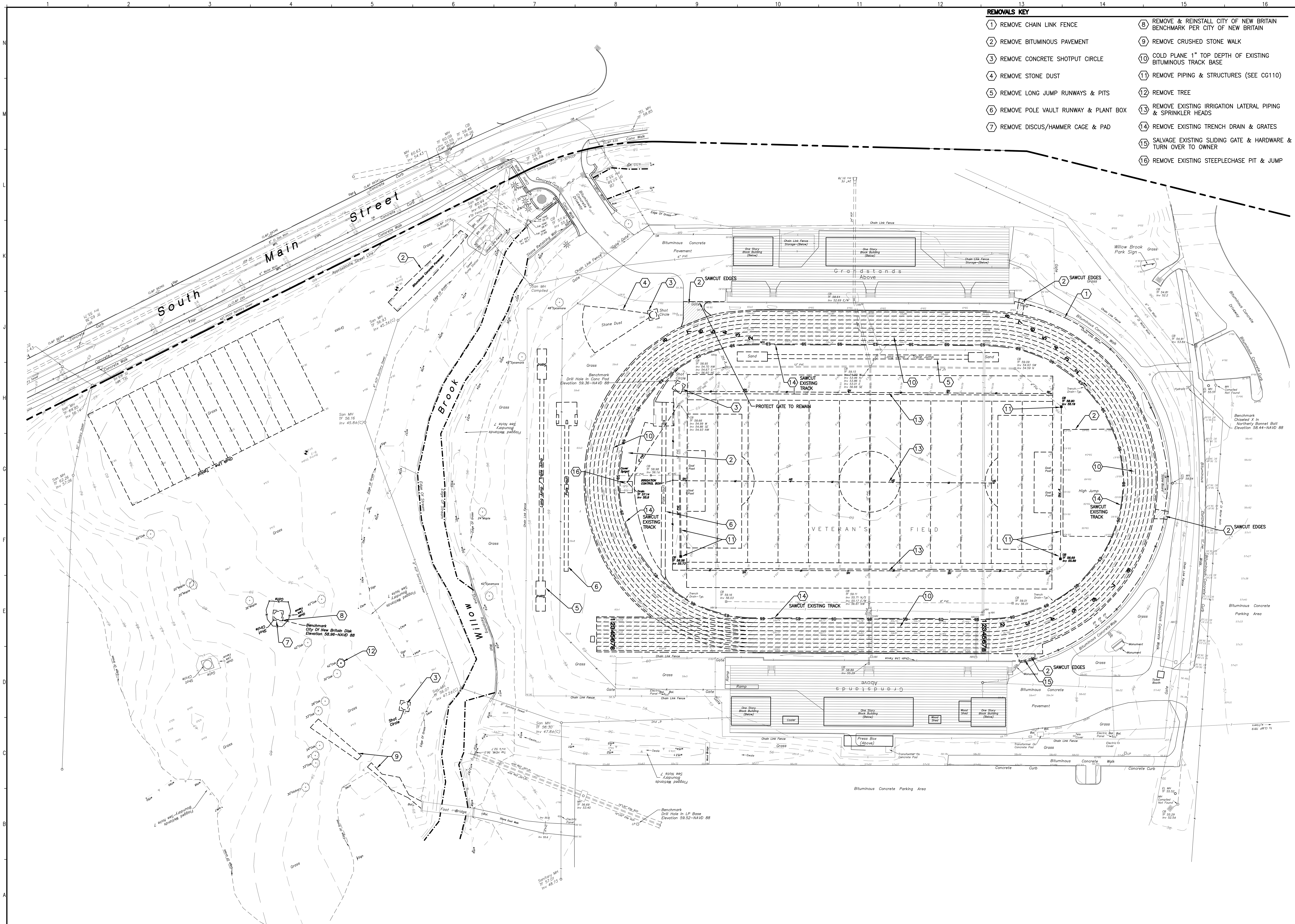
Topographic Survey
Portion Of
WILLOWBROOK PARK

South Main Street New Britain, Connecticut

DATE 09/19/13 SCALE 1"=30'	COMPS NDB	DRAWN NDB	FB. NO. 73	DISK NO. JOB NO.	PROJECT NO. 13–032

Bolduc Land Consultants, LLC
LAND SURVEYORS & LAND PLANNERS
1237 East Main Street
Meriden, Connecticut 06450
Ph 203-440-1746 - Fax 203-440-2051

SHEET 2 of 2



REMOVALS KEY

1. REMOVE CHAIN LINK FENCE
2. REMOVE BITUMINOUS PAVEMENT
3. REMOVE CONCRETE SHOTPUT CIRCLE
4. REMOVE STONE DUST
5. REMOVE LONG JUMP RUNWAYS & PITS
6. REMOVE POLE VAULT RUNWAY & PLANT BOX
7. REMOVE DISCUS/HAMMER CAGE & PAD
8. REMOVE & REINSTALL CITY OF NEW BRITAIN BENCHMARK PER CITY OF NEW BRITAIN
9. REMOVE CRUSHED STONE WALK
10. COLD PLANE 1" TOP DEPTH OF EXISTING BITUMINOUS TRACK BASE
11. REMOVE PIPING & STRUCTURES (SEE CG110)
12. REMOVE TREE
13. REMOVE EXISTING IRRIGATION LATERAL PIPING & SPRINKLER HEADS
14. REMOVE EXISTING TRENCH DRAIN & GRATES
15. SALVAGE EXISTING SLIDING GATE & HARDWARE & TURN OVER TO OWNER
16. REMOVE EXISTING STEEPLECHASE PIT & JUMP

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VETERANS MEMORIAL STADIUM
NEW BRITAIN, CONNECTICUT

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CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
0	ISSUED FOR BIDDING/CONSTRUCTION	11-25-13

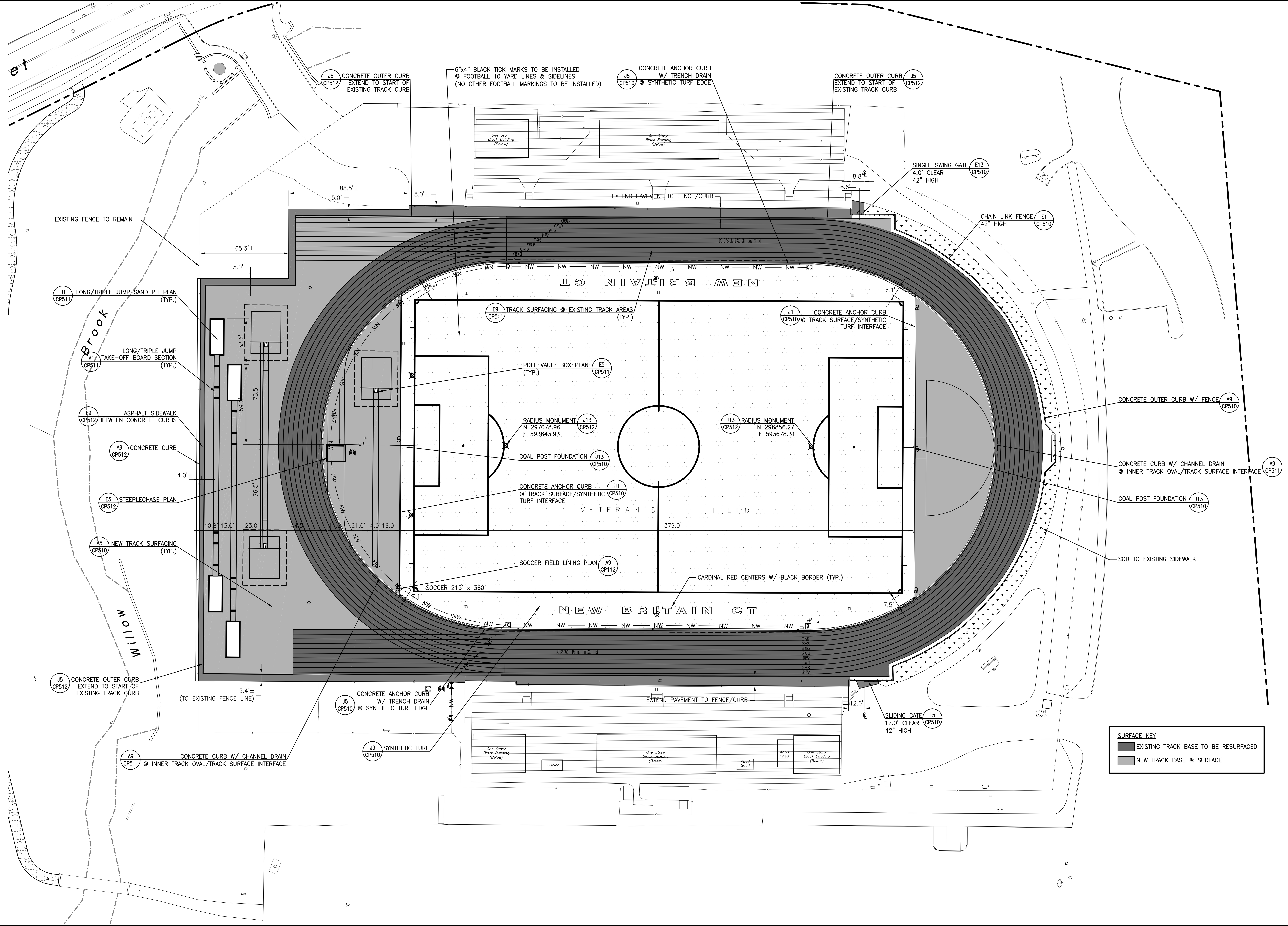
GRAPHIC SCALE:
0" 1"

SCALE:	1" = 40'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CD110-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:

EXISTING CONDITIONS & REMOVALS PLAN

SHEET No.
CD110



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SCALE:	1" = 30'
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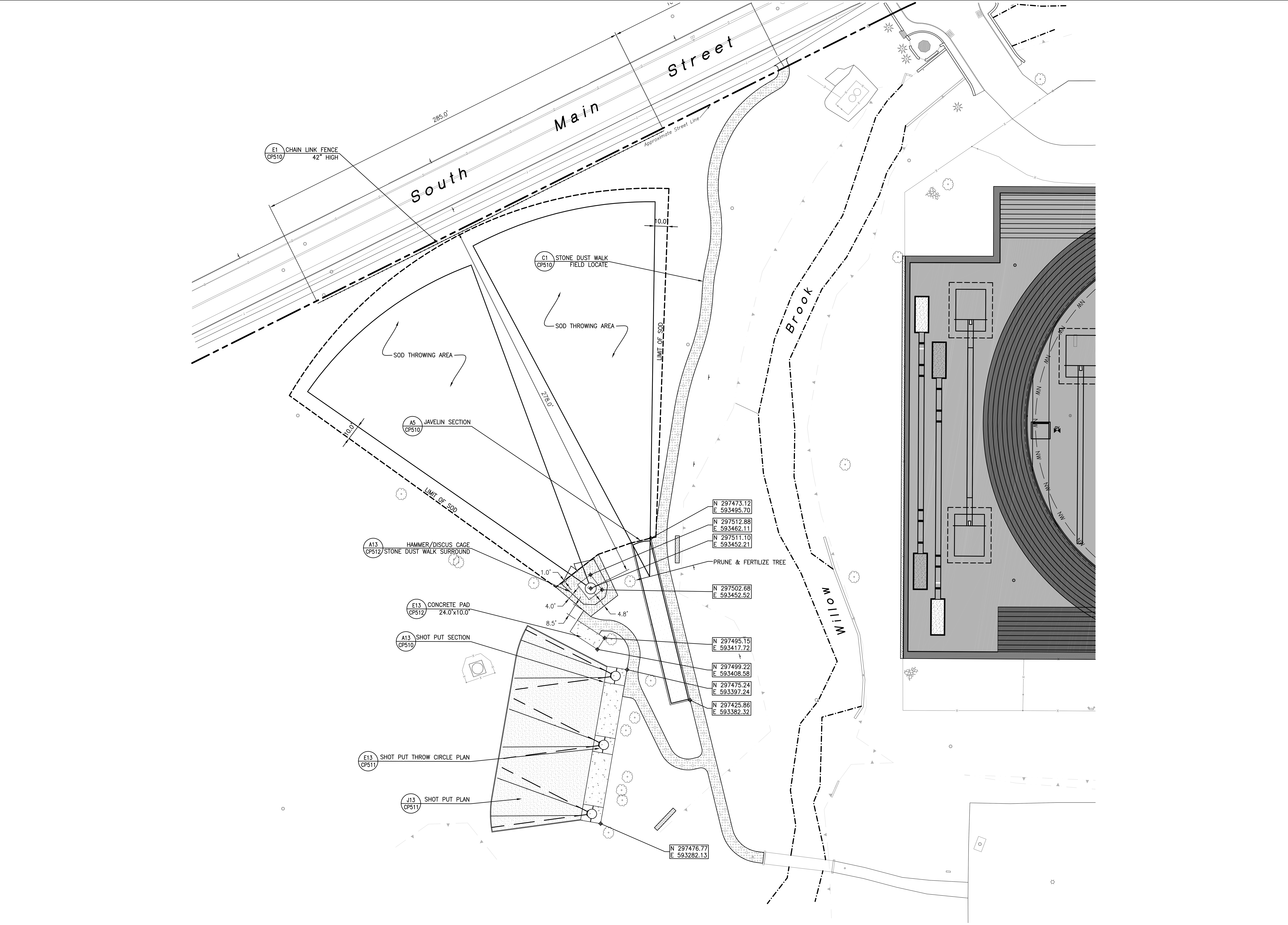
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CP110-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
SITE LAYOUT PLAN - TRACK

SHEET No.
CP110



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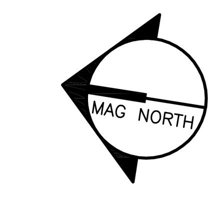


NEW BRITAIN ATHLETIC FIELD IMPROVEMENTS
VETERANS MEMORIAL STADIUM
NEW BRITAIN, CONNECTICUT

CURRENT ISSUE STATUS:
ISSUED FOR BIDDING/CONSTRUCTION
11-25-13

REV	DESCRIPTION	DATE
0	ISSUED FOR BIDDING/CONSTRUCTION	11-25-13

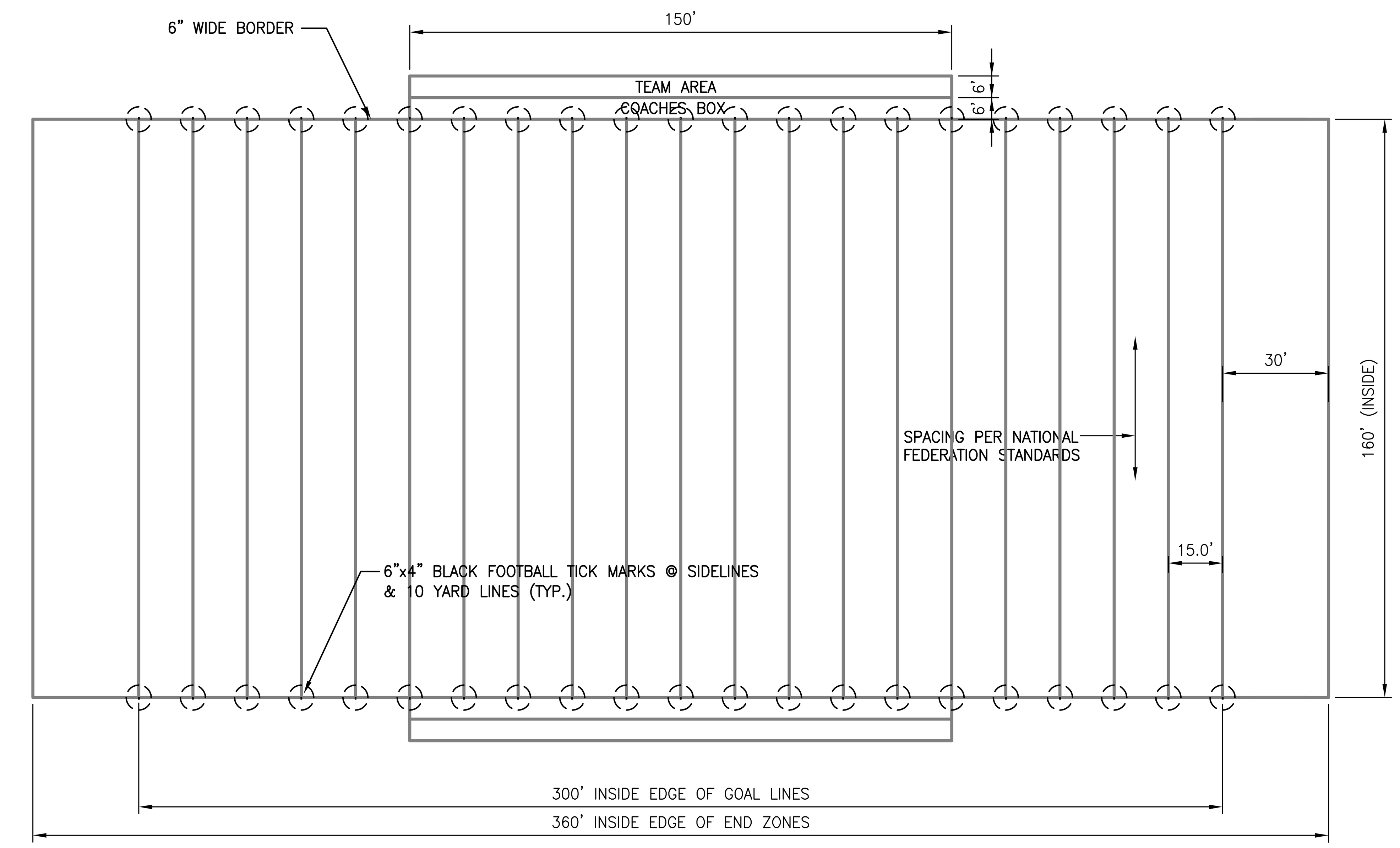
GRAPHIC SCALE:
0" 1"

SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CP111-13096-02
PROJECT NO:	13096
DATE:	11-25-13

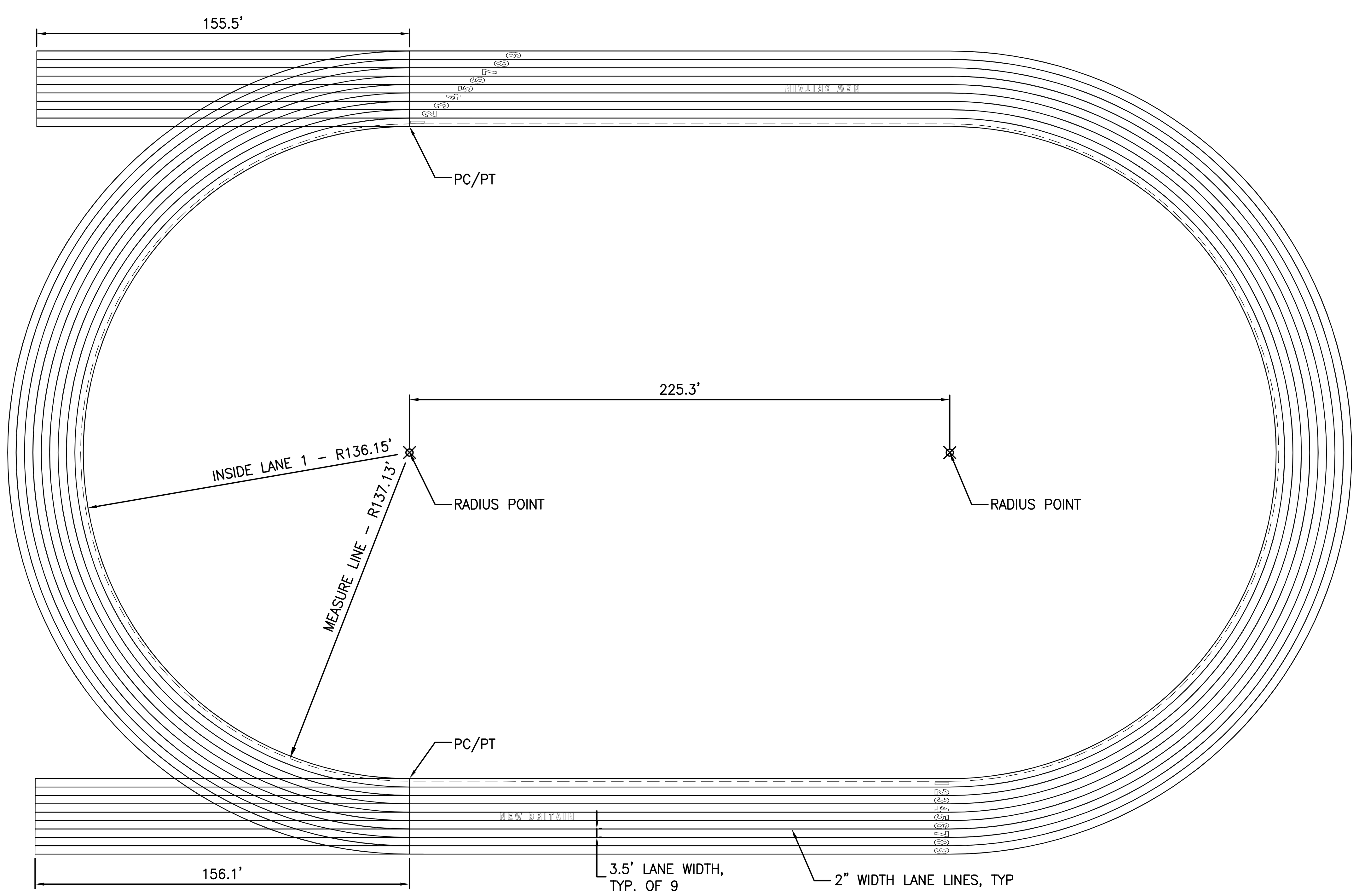
SHEET TITLE:
SITE LAYOUT PLAN - FIELD EVENTS

SHEET No.
CP111

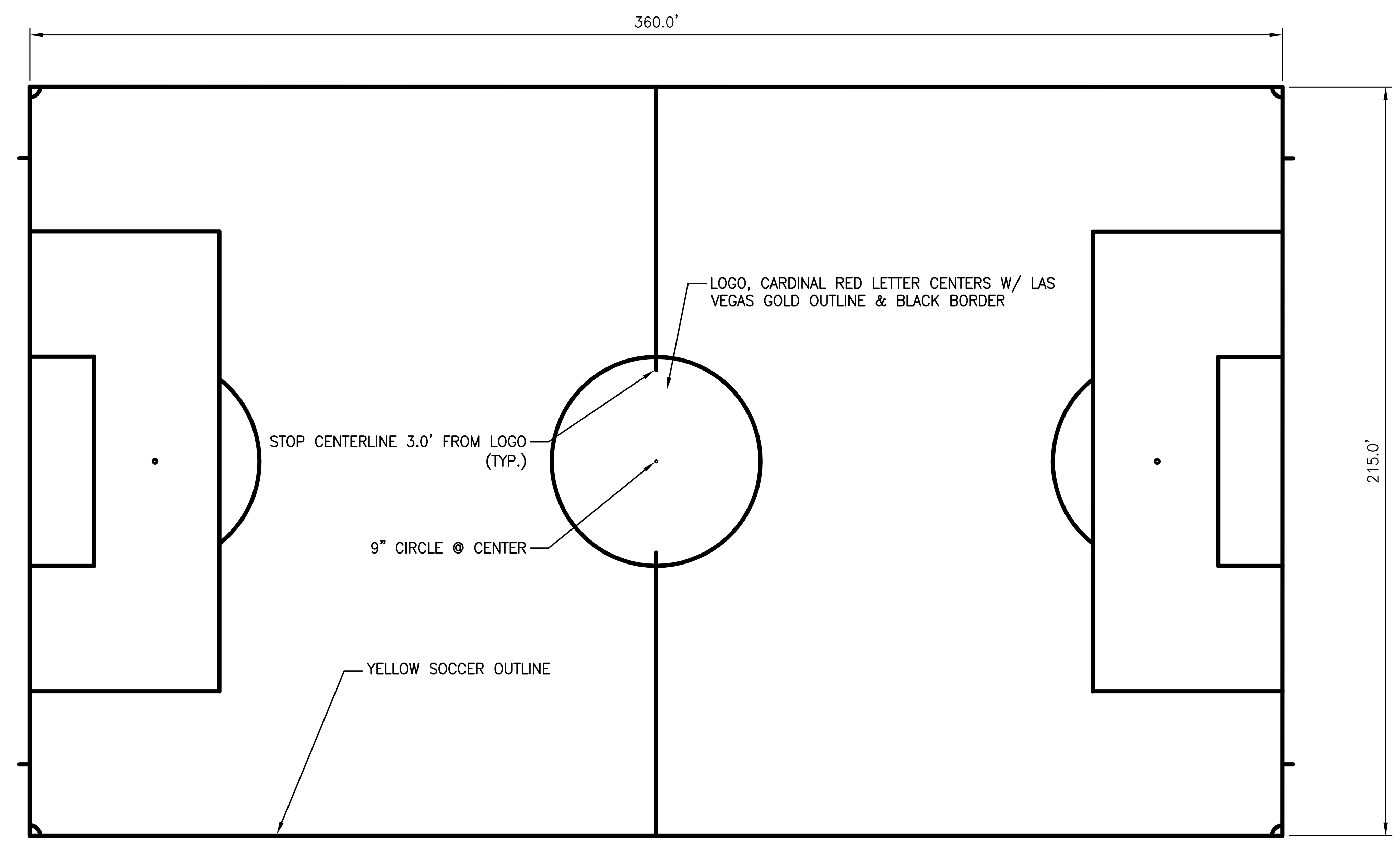
F1	*
*	CP110



F9	FOOTBALL FIELD LINING PLAN (FOR REFERENCE ONLY)
1" = 30'	*



A1	TRACK LAYOUT PLAN
1" = 40'	*



NOTE:

PERMANENT LINES TO BE YELLOW, 4" WIDE.

A9	SOCCER FIELD LINING PLAN
1" = 30'	CP110

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NEW BRITAIN, CONNECTICUT

ISSUED FOR BIDDING/CONSTRUCTION
11-25-13

CURRENT ISSUE STATUS:

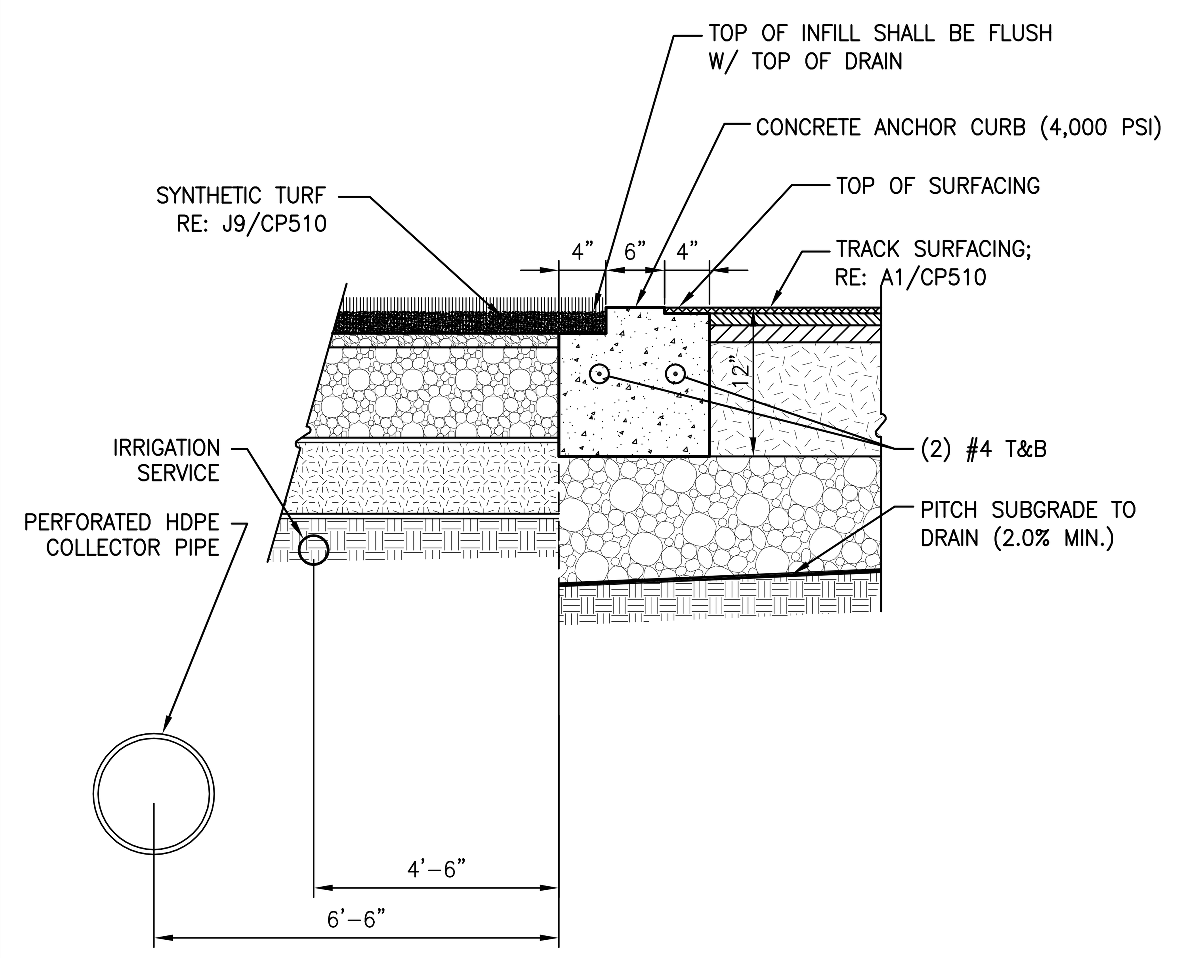
REV	DESCRIPTION	DATE
0	ISSUED FOR BIDDING/CONSTRUCTION	11-25-13

GRAPHIC SCALE:
0" 1"

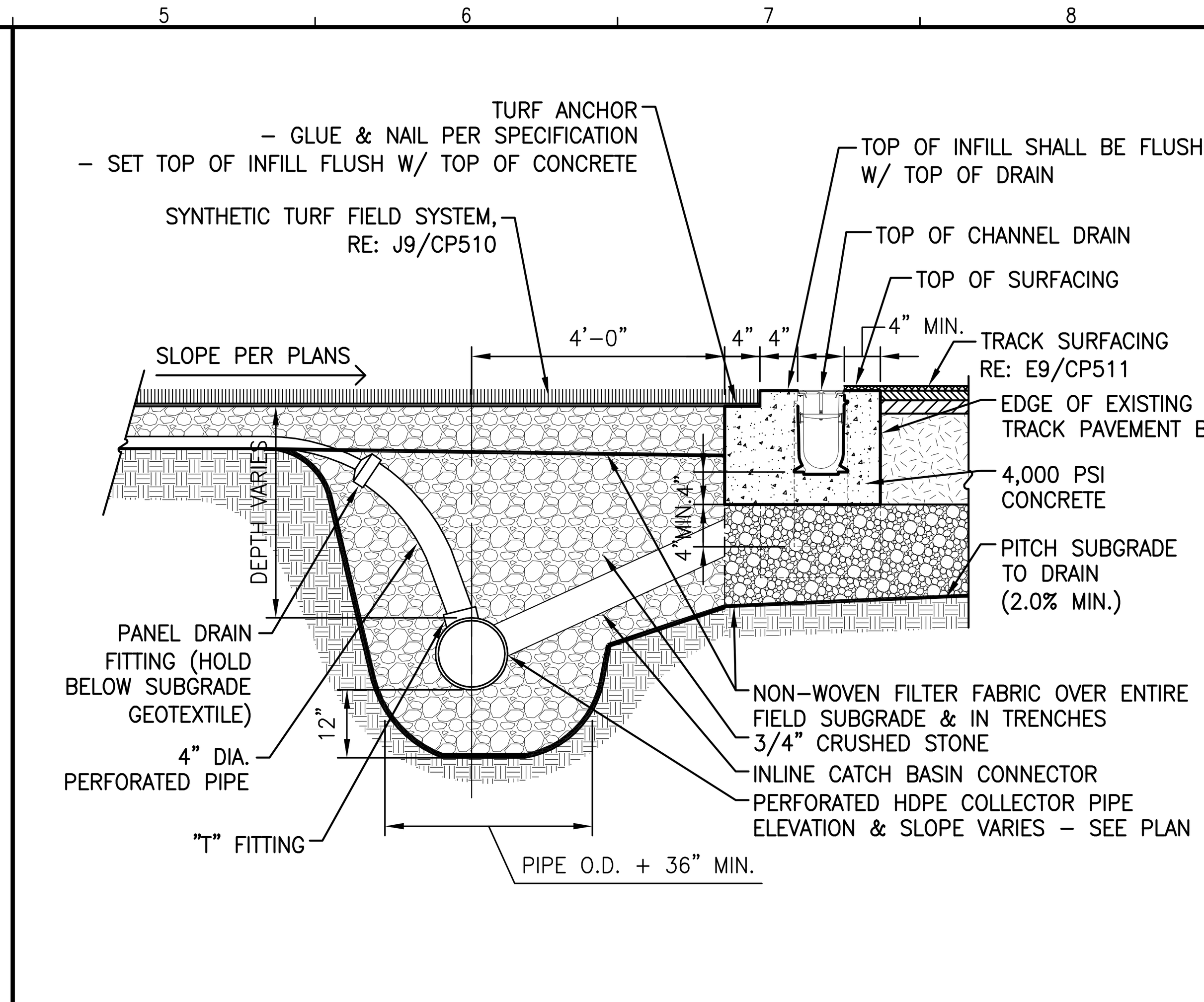
SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CP112-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
FIELD LINING PLANS & DETAILS

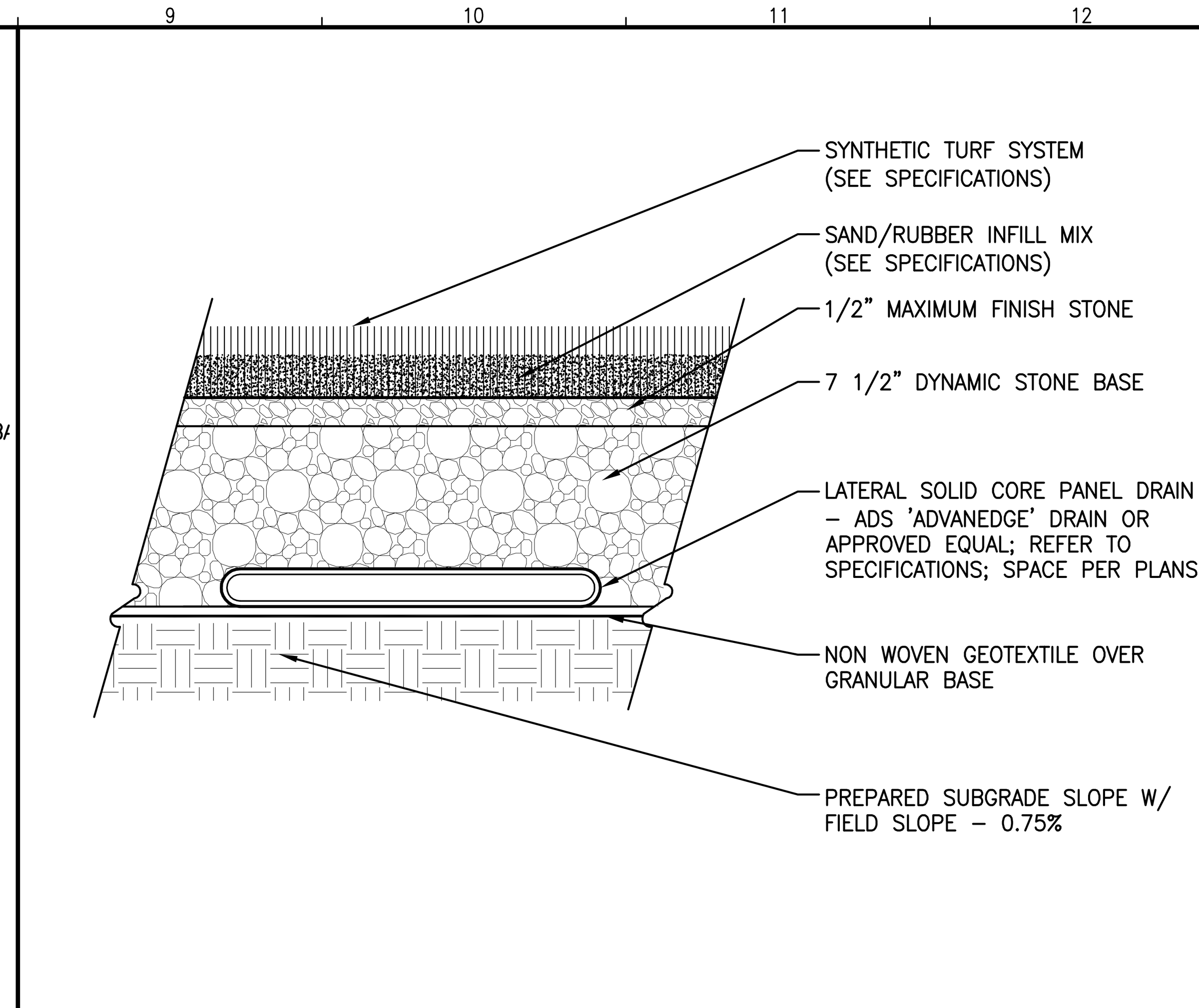
SHEET No.
CP112



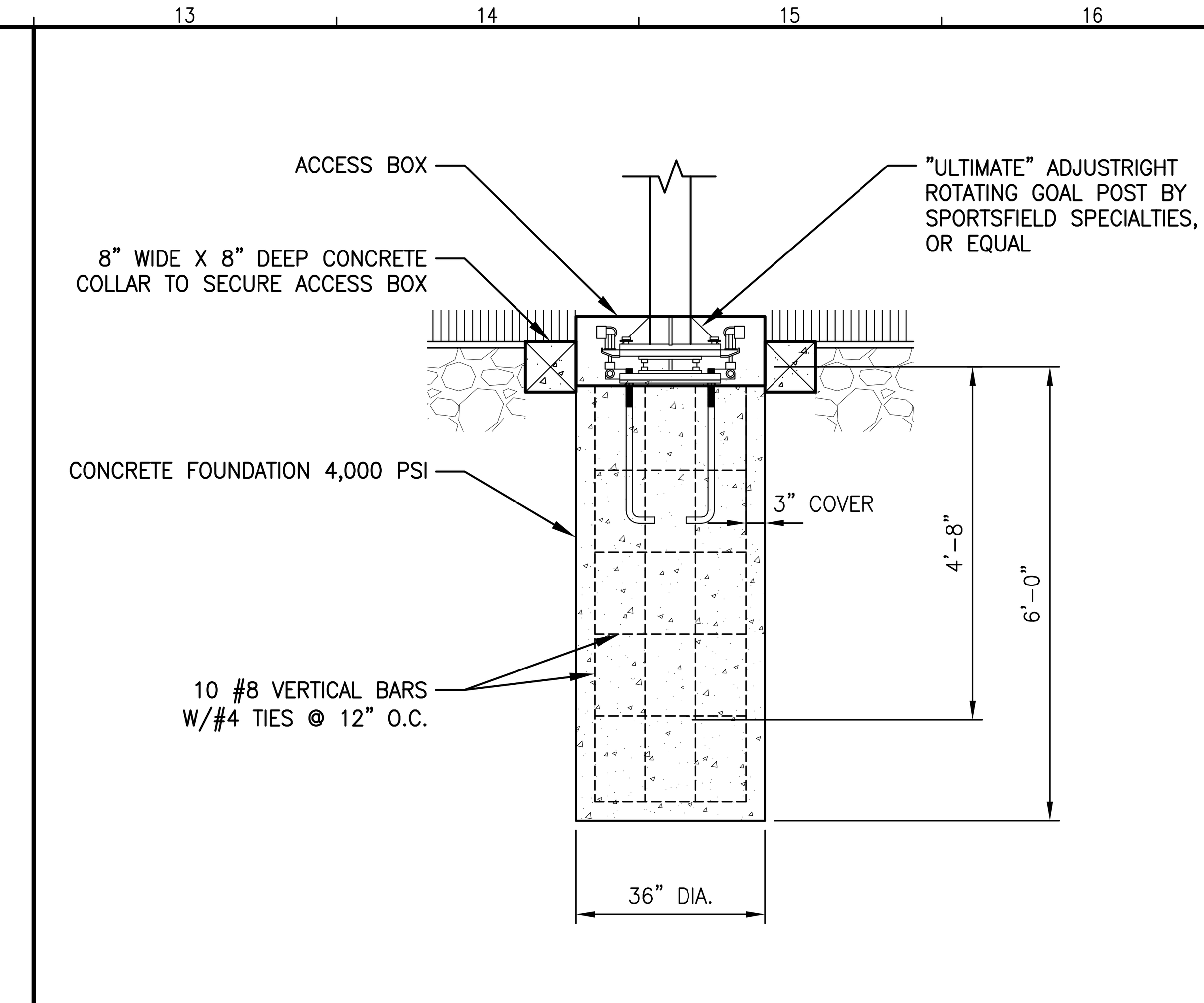
J1	CONCRETE ANCHOR CURB
3/4" = 1'-0"	CP110



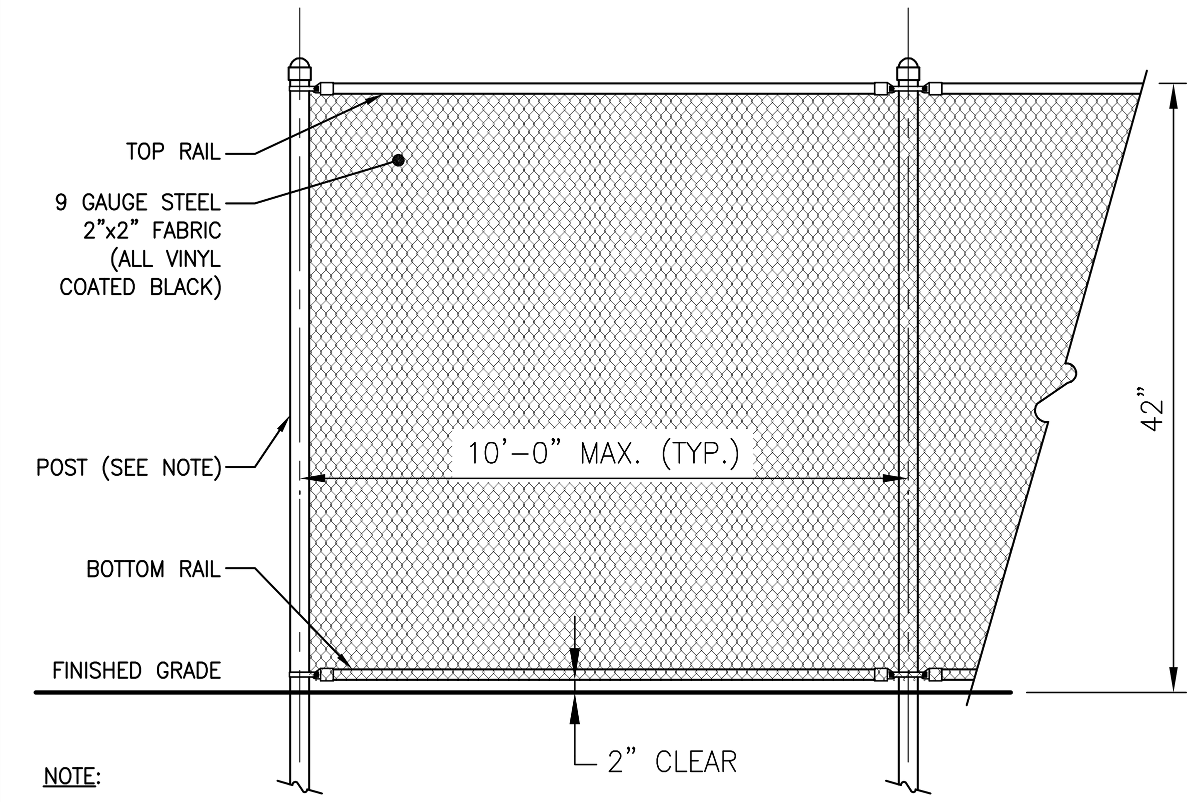
J5	CONCRETE ANCHOR CURB W/ TRENCH DRAIN
NOT TO SCALE	CP110



J9	SYNTHETIC TURF
1 1/2" = 1'-0"	CP110



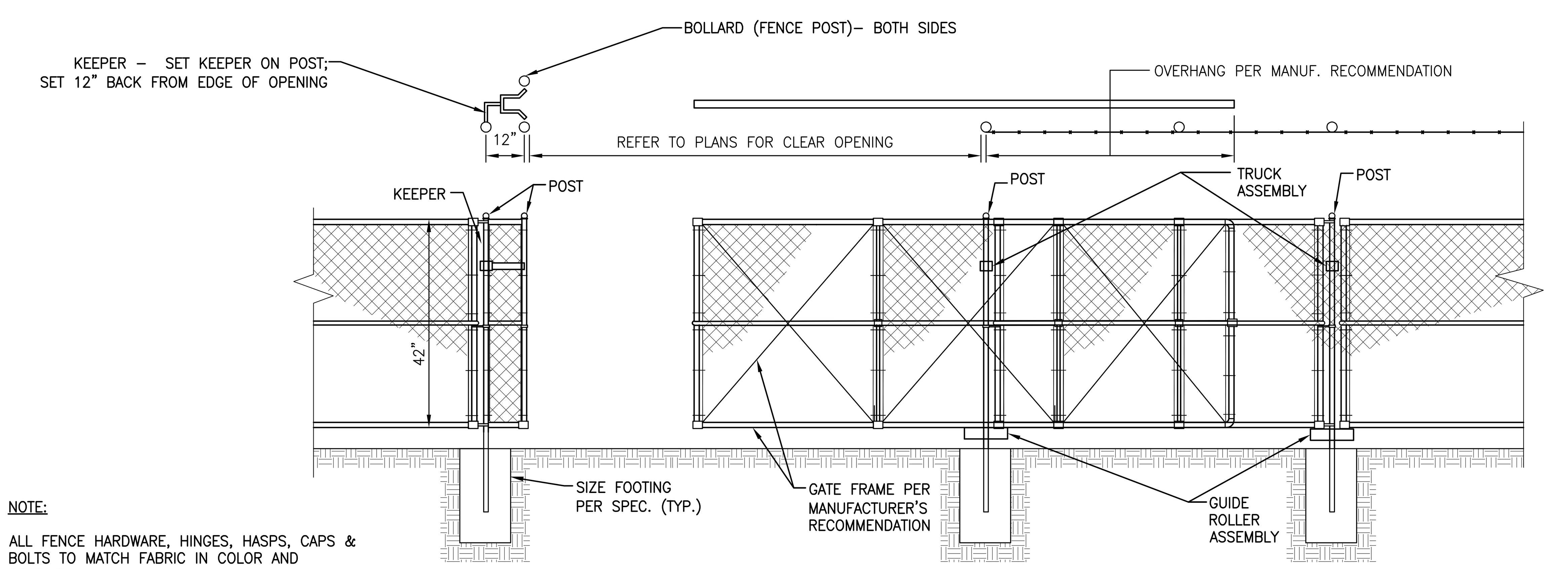
J13	GOAL POST FOUNDATION
3/4" = 1'-0"	CP110



NOTE:

ALL FENCE HARDWARE, HINGES, HASPS, CAPS AND BOLTS TO MATCH FABRIC IN COLOR AND COATING.

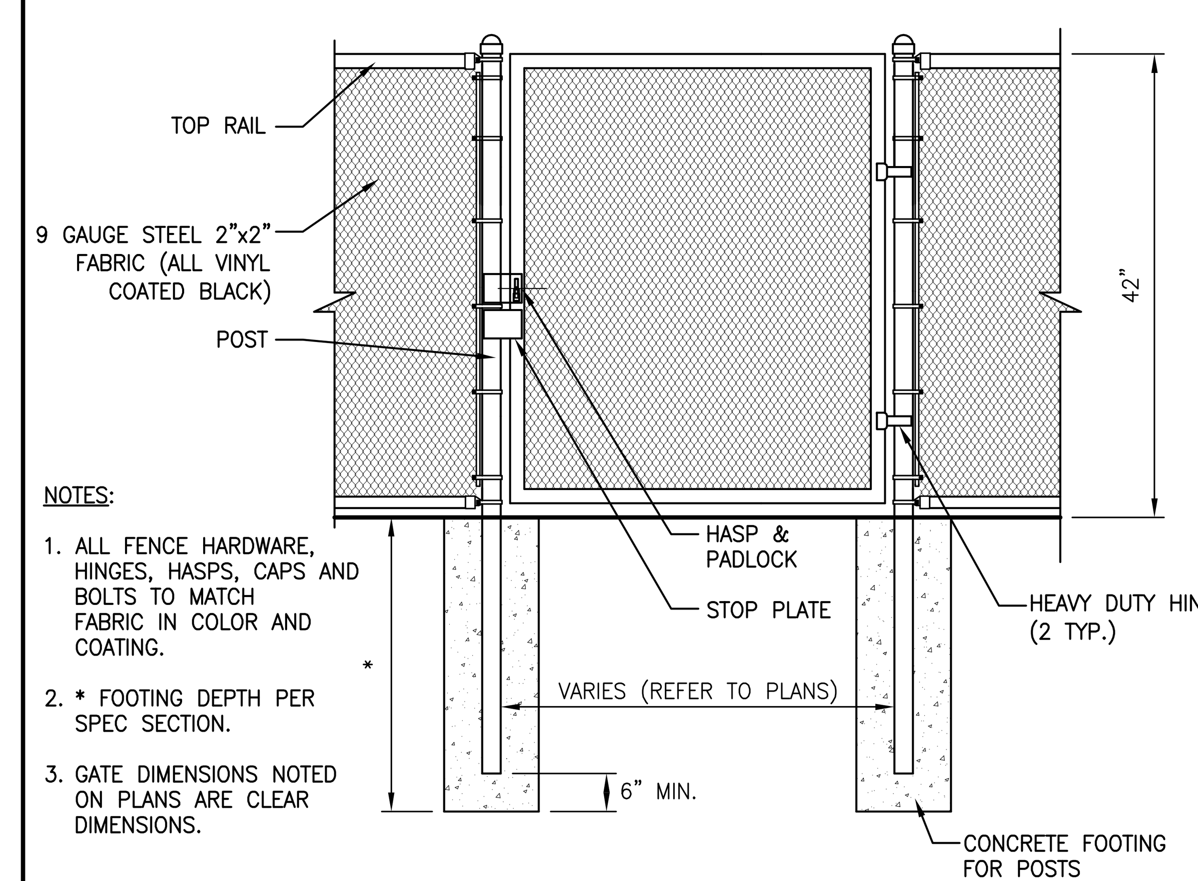
E1	CHAIN LINK FENCE
1/2" = 1'-0"	CP110



NOTE:

ALL FENCE HARDWARE, HINGES, HASPS, CAPS & BOLTS TO MATCH FABRIC IN COLOR AND COATING.

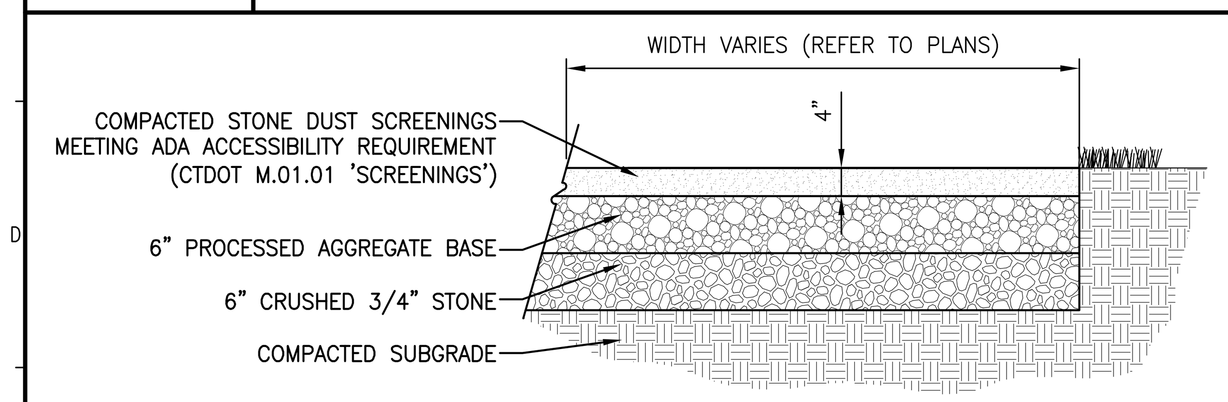
E5	SLIDING GATE
3/8" = 1'-0"	CP110



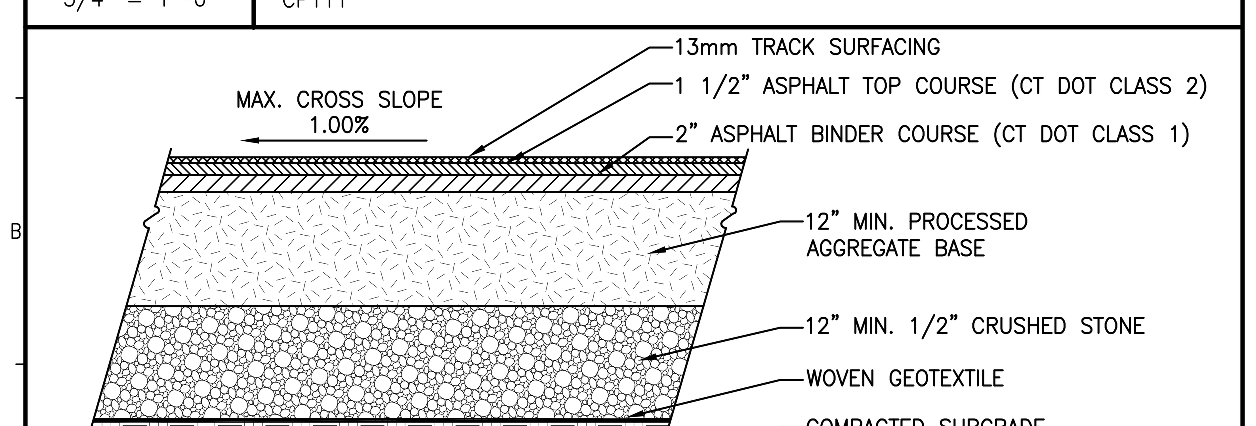
NOTES:

1. ALL FENCE HARDWARE, HINGES, HASPS, CAPS AND BOLTS TO MATCH FABRIC IN COLOR AND COATING.
2. * FOOTING DEPTH PER SPEC SECTION.
3. GATE DIMENSIONS NOTED ON PLANS ARE CLEAR DIMENSIONS.

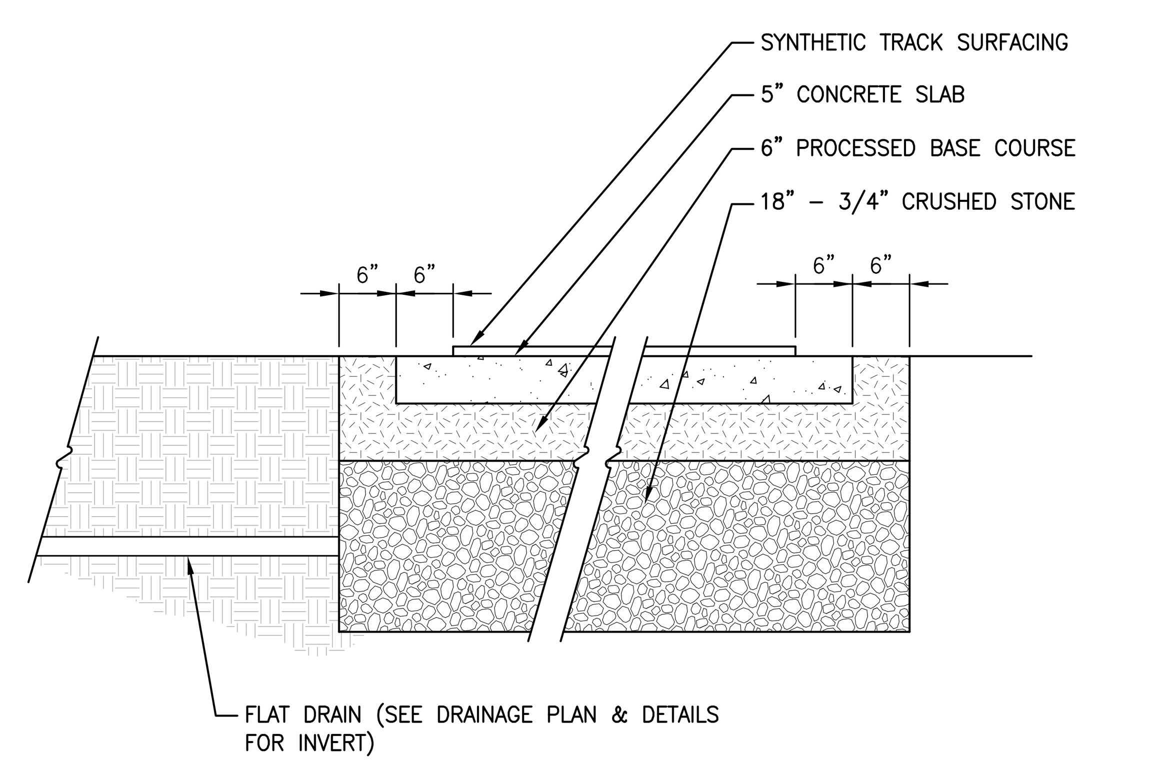
E13	SINGLE SWING GATE
3/8" = 1'-0"	CP110



C1	STONE DUST SIDEWALK
3/4" = 1'-0"	CP111

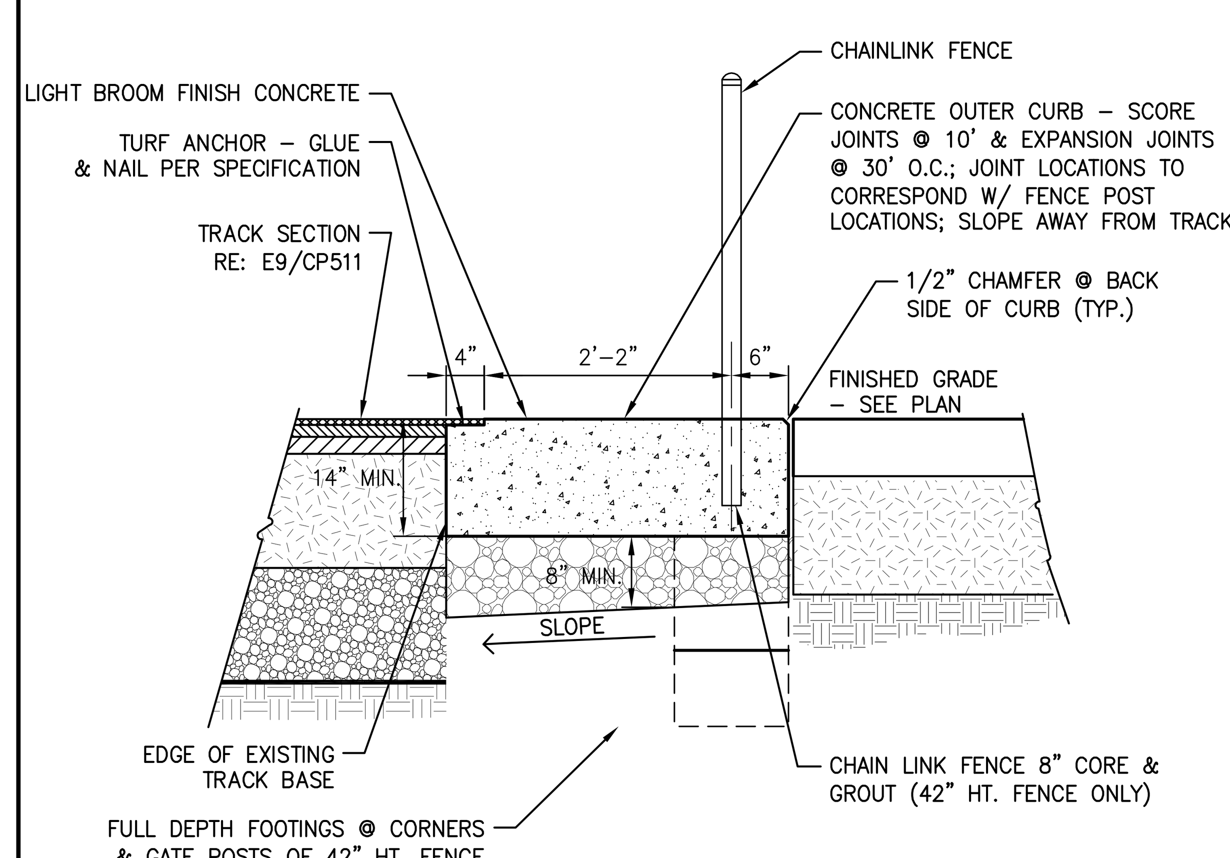


A1	NEW TRACK SURFACING
3/4" = 1'-0"	CP110

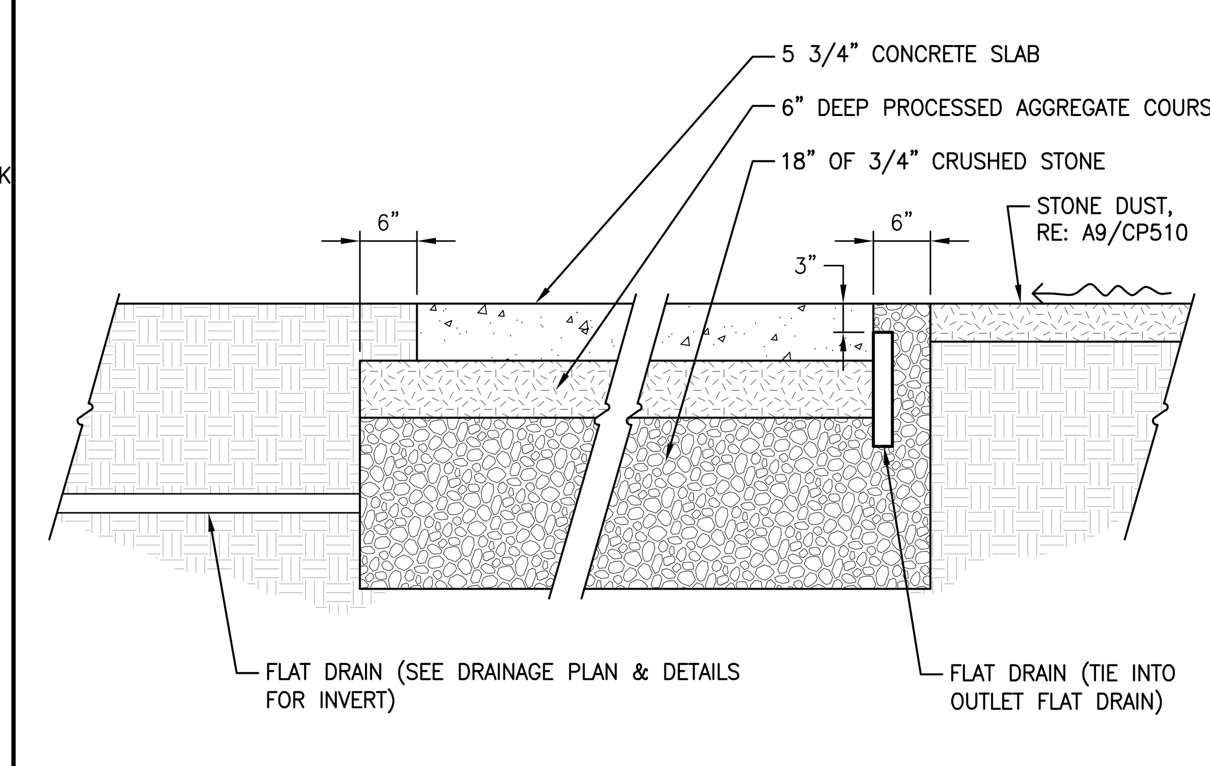


NOTE: SEE A9/CG510 FOR DRAINAGE INFORMATION.

A5	JAVELIN SECTION
3/4" = 1'-0"	CP111



A9	CONCRETE OUTER CURB W/ FENCE
3/4" = 1'-0"	CP110



NOTE:

SEE E9/CG510 FOR DRAINAGE INFORMATION.

A13	SHOT PUT SECTION
3/4" = 1'-0"	CP111

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11-25-13

CURRENT ISSUE STATUS:

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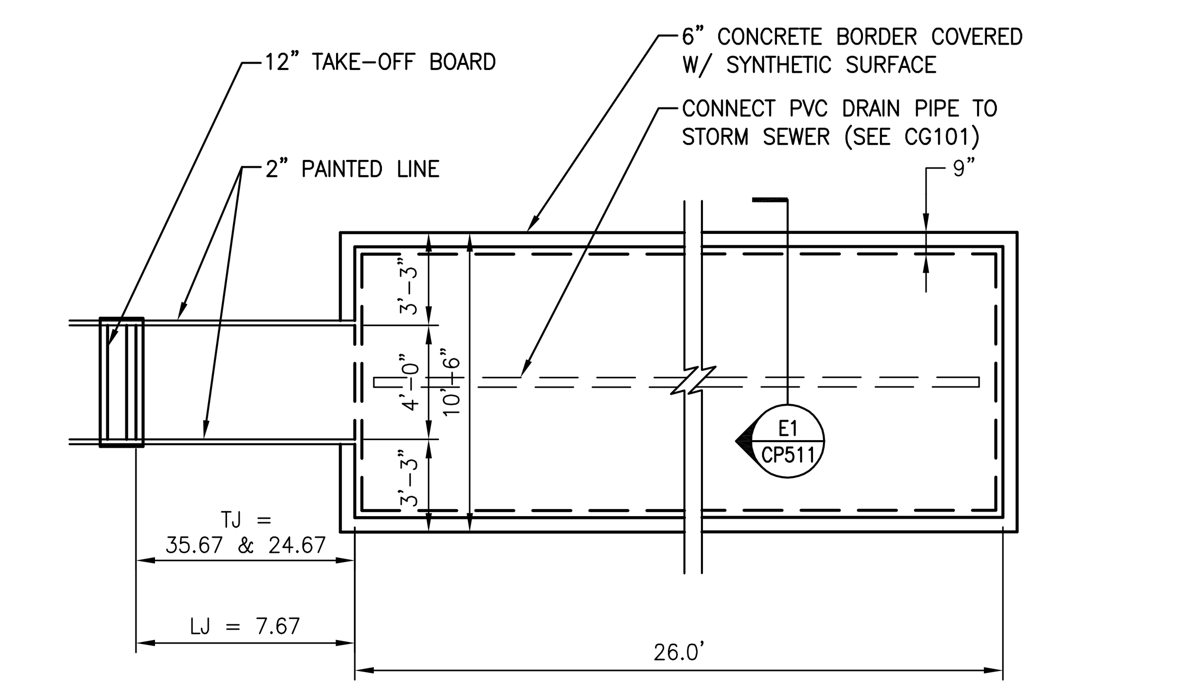
GRAPHIC SCALE: 0" 1"

SCALE:	AS SHOWN
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	ADJ
CAD FILE:	CP510-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
SITE LAYOUT DETAILS

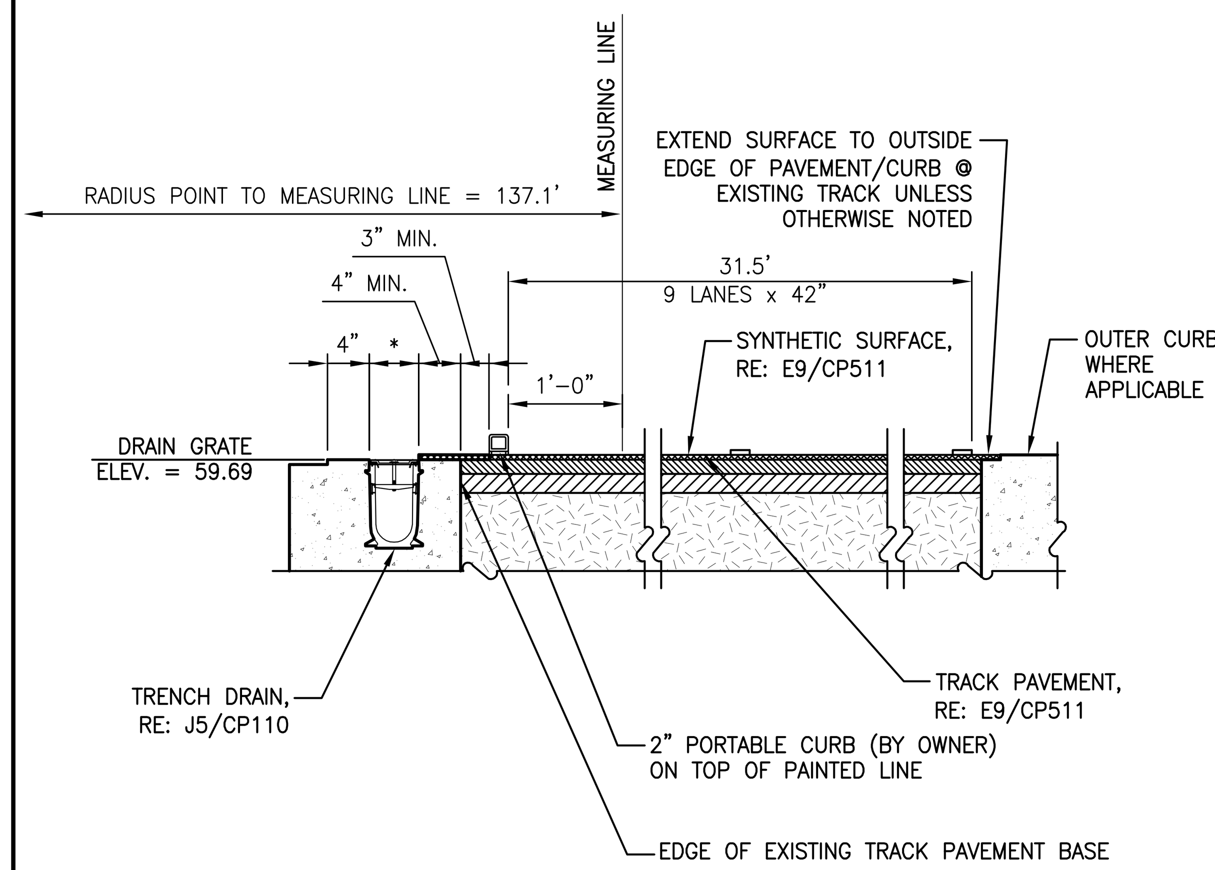
SHEET No.
CP510



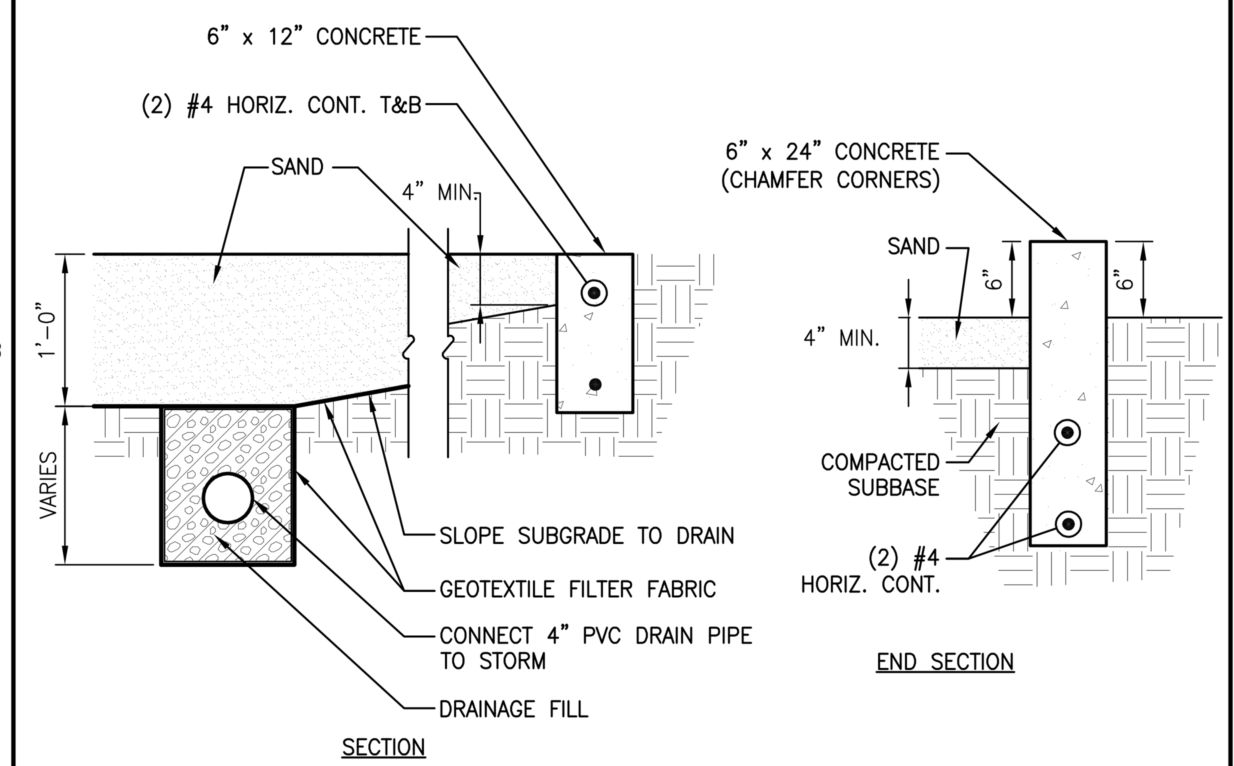
J1 LONG/TRIPLE JUMP SAND PIT PLAN
3/16" = 1'-0" CP110

NOTE:

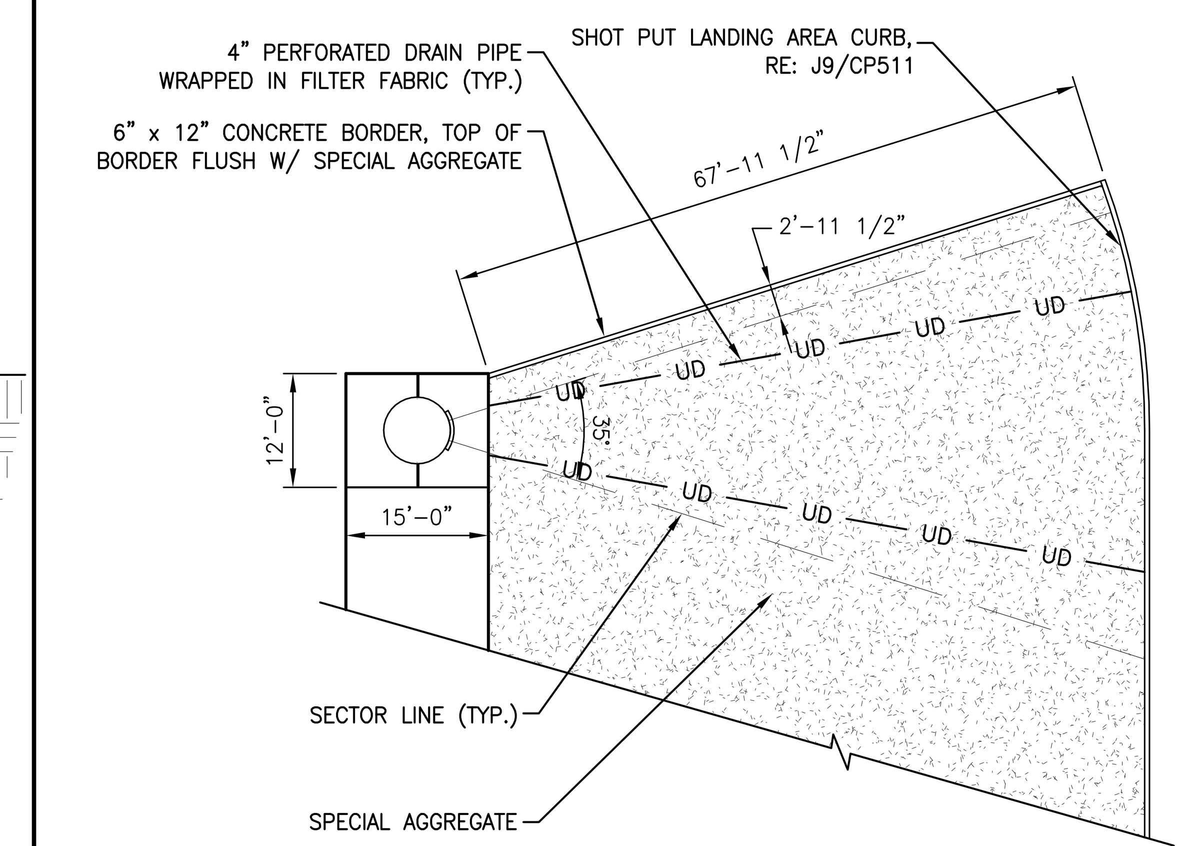
ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENT ARE FOR BIDDING ONLY. REFER TO SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS. *DRAIN VARIES BY MANUFACTURER.



J5 TRACK OVAL SECTION
NOT TO SCALE CP110



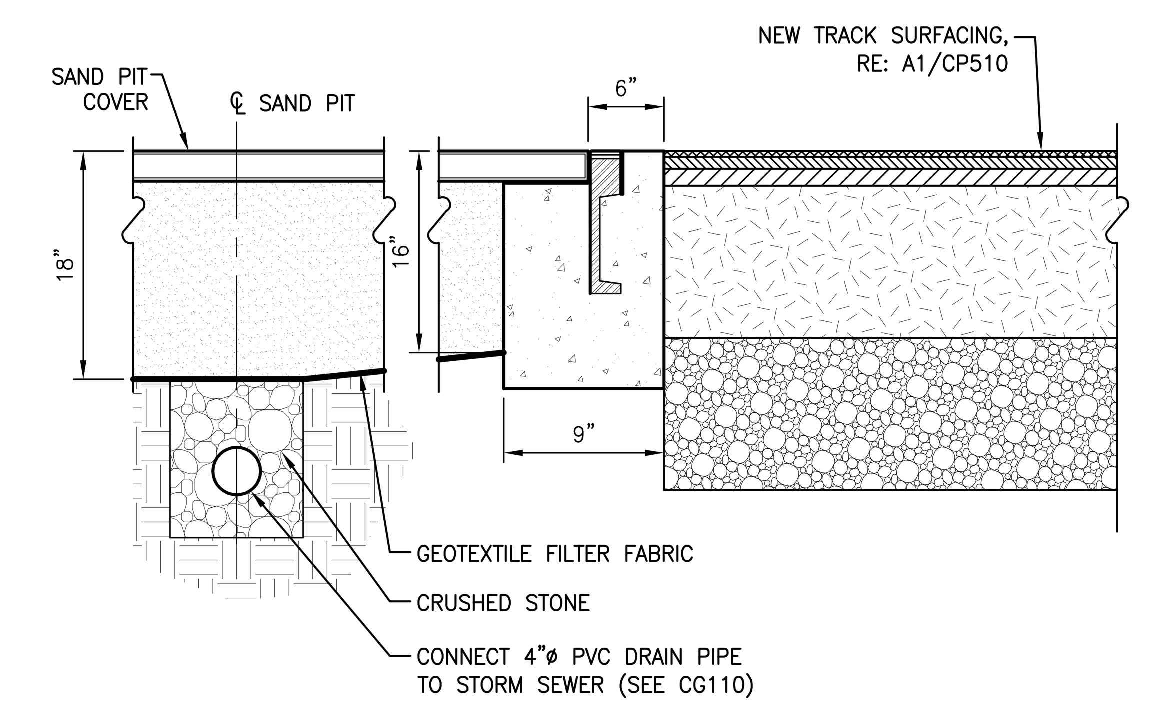
J9 SHOT PUT LANDING AREA
1" = 1'-0" CP511



J13 SHOT PUT PLAN
1/16" = 1'-0" CP110

NOTE:

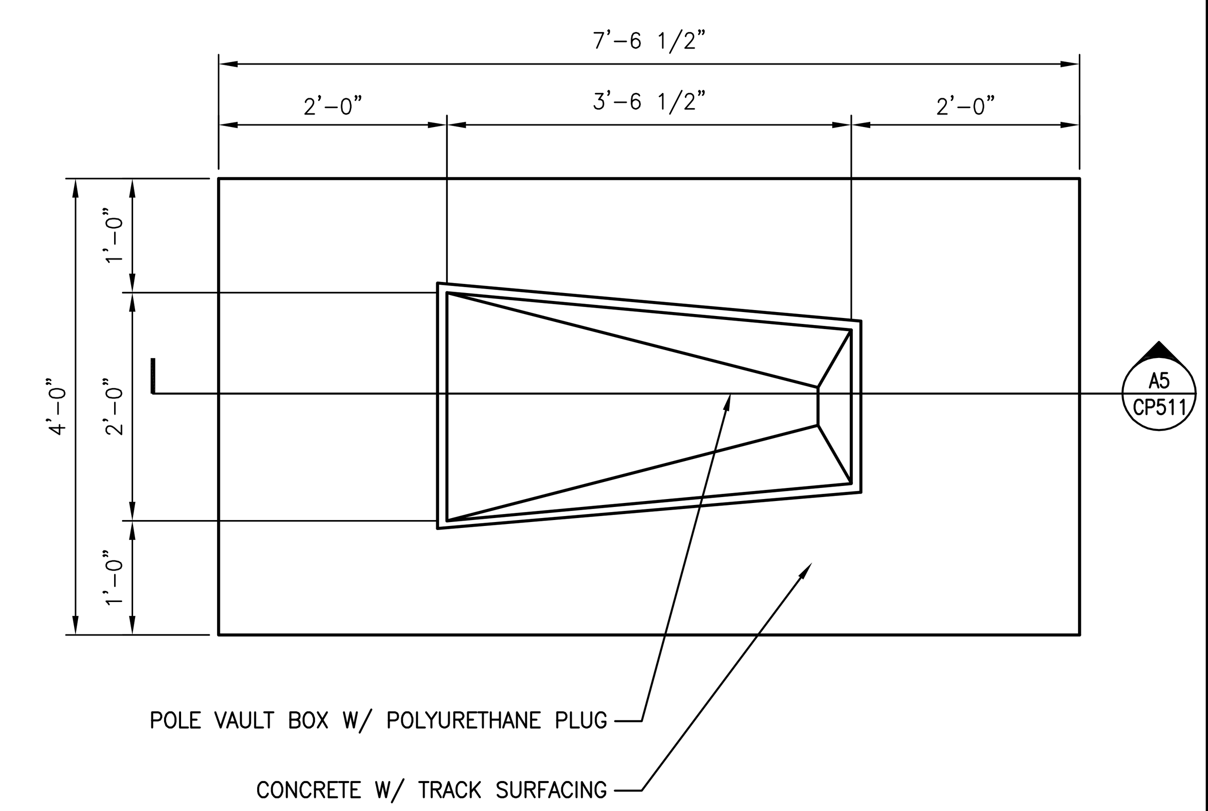
ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENT ARE FOR BIDDING ONLY.
REFER TO SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.



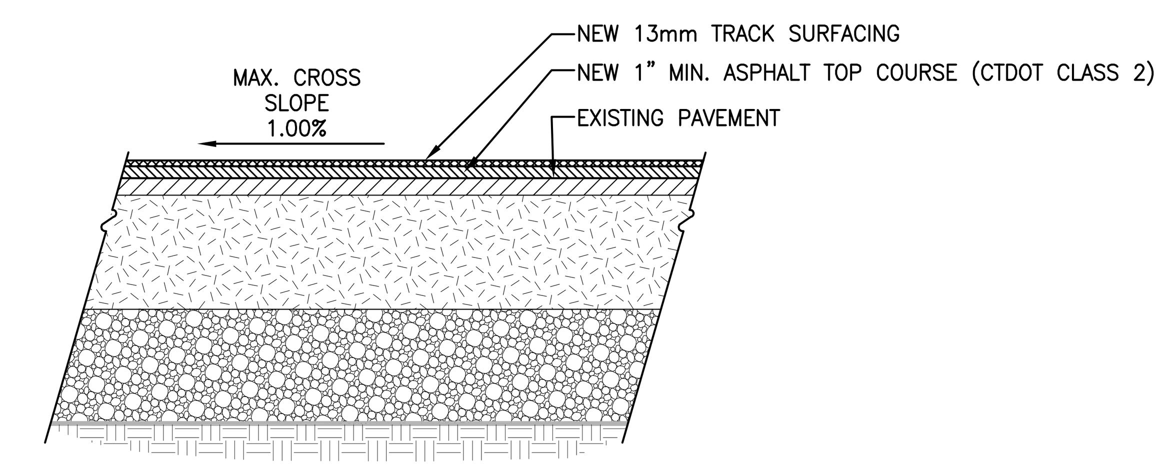
E1 LONG/TRIPLE JUMP SAND PIT SECTION
1" = 1'-0" CP511

NOTE:

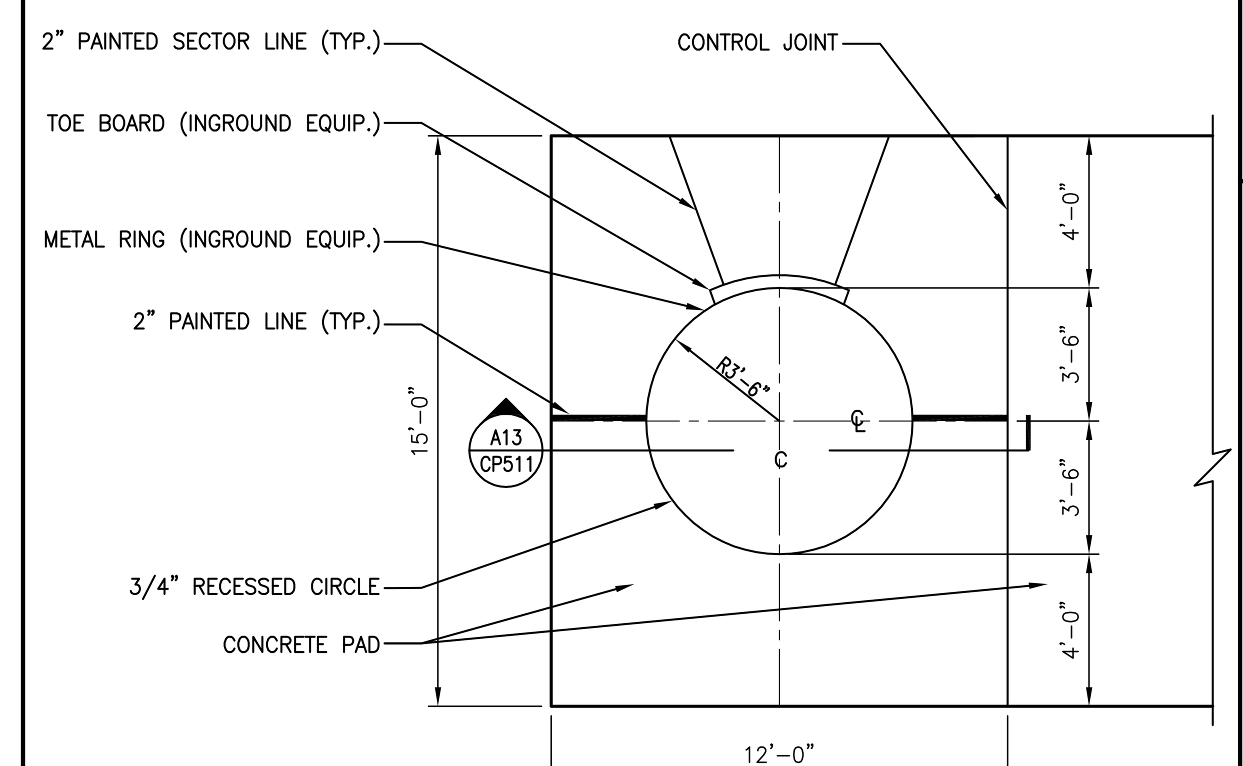
ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENT ARE FOR BIDDING ONLY. REFER TO SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.



E5 POLE VAULT BOX PLAN
3/8" = 1'-0" CP110



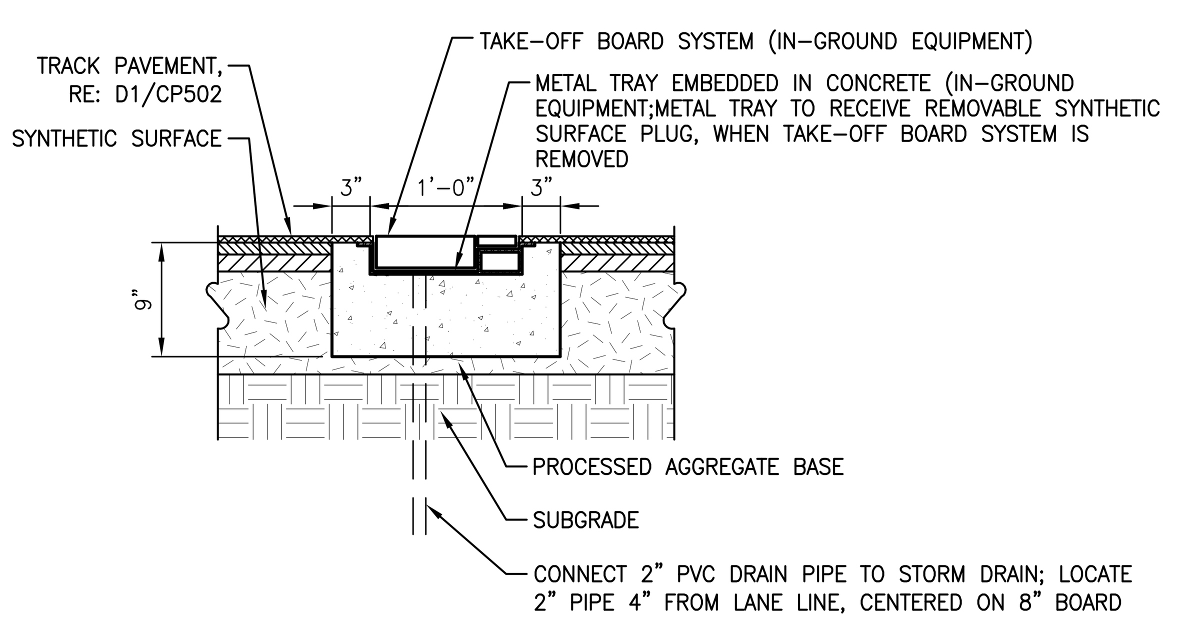
E9 TRACK SURFACING @ EXISTING TRACK AREAS
3/4" = 1'-0" CP110



E13 SHOT PUT THROW CIRCLE PLAN
1/4" = 1'-0" CP110

NOTE:

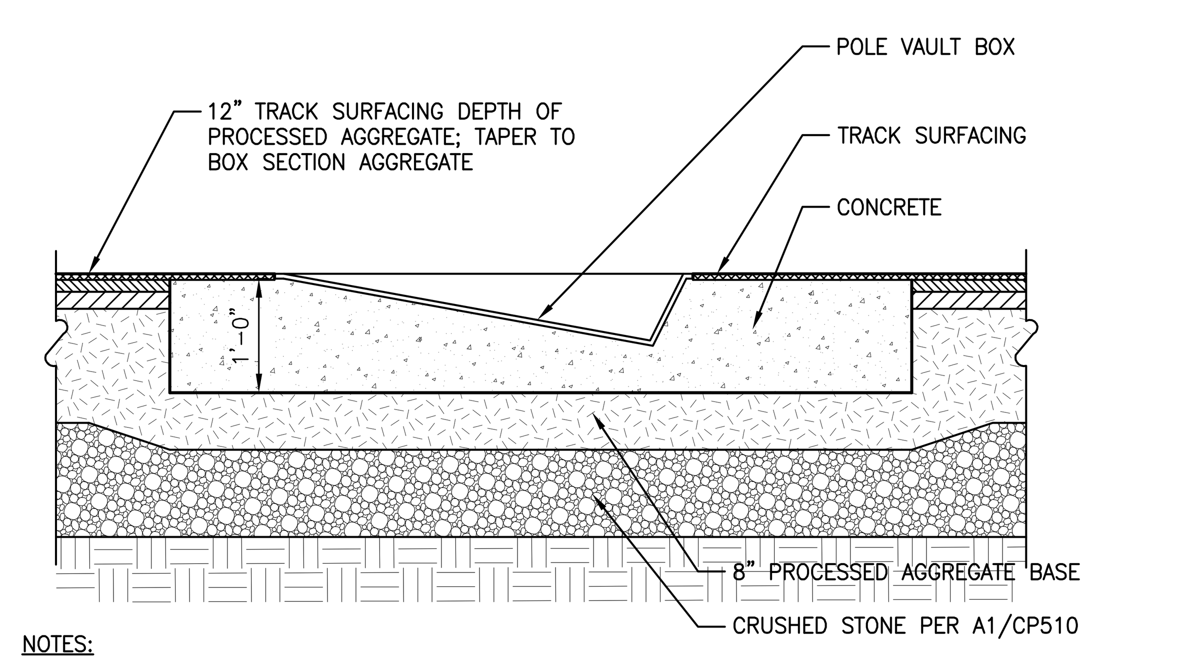
ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENT ARE FOR BIDDING ONLY. REFER TO SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.



A1 LONG/TRIPLE JUMP TAKE-OFF BOARD SECTION
1" = 1'-0" CP110

NOTE:

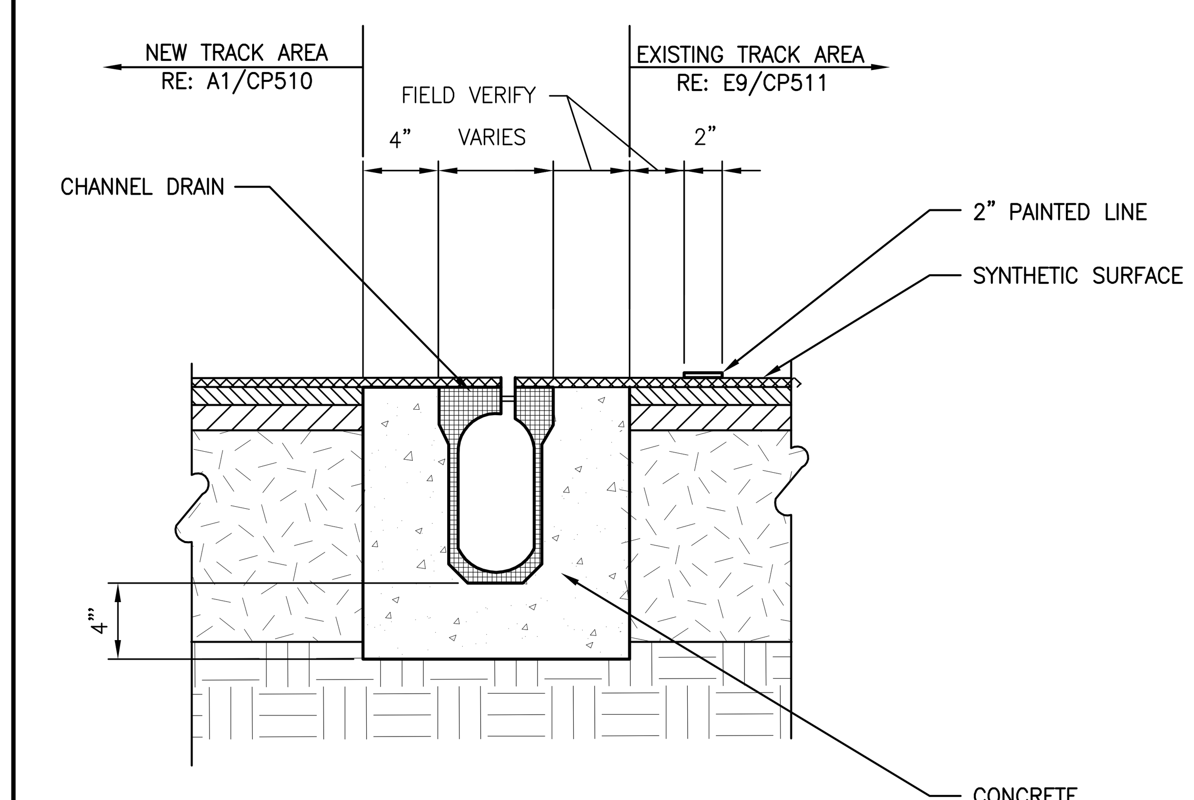
ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENT ARE FOR BIDDING ONLY. REFER TO SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.



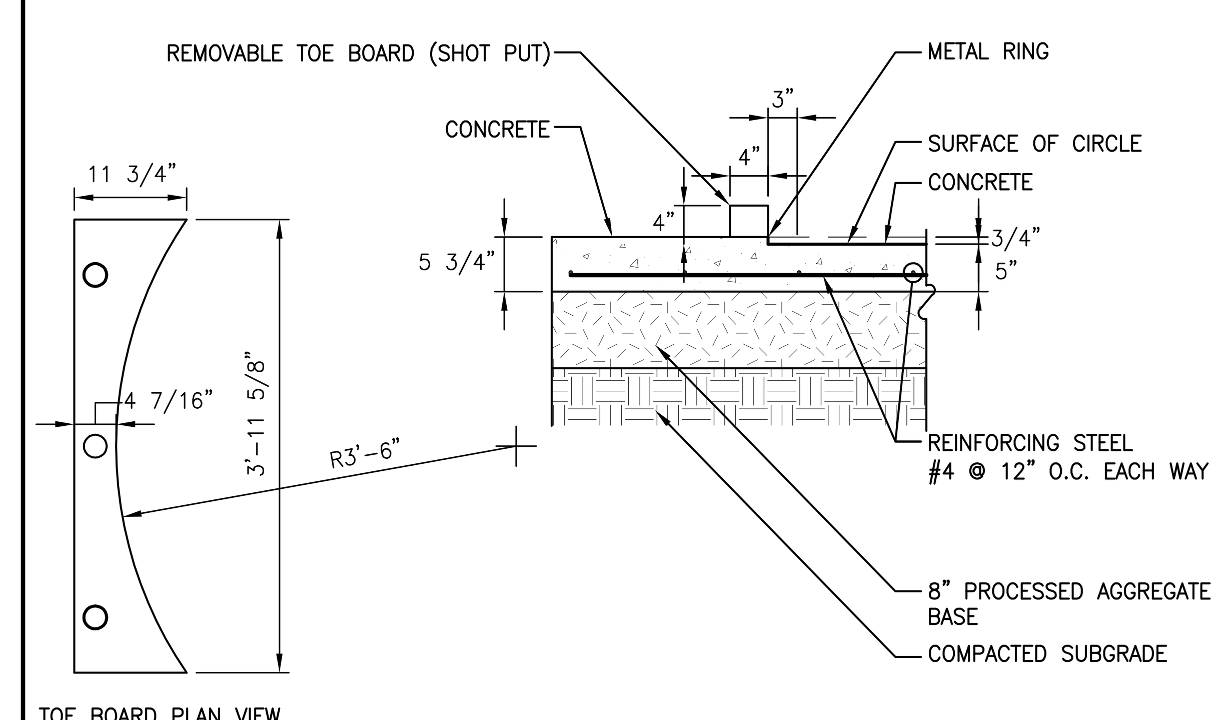
NOTES:

1. POLE VAULT BOX EXTENDS 1/2" ABOVE CONCRETE AND SYNTHETIC SURFACE IS FLUSH TO TOP OF BOX.
2. ALL POLE VAULT BOXES TO RECEIVE POLYURETHANE PLUG.

A5 POLE VAULT BOX SECTION
3/4" = 1'-0" CP511



A9 CONCRETE CURB W/ CHANNEL DRAIN
1 1/2" = 1'-0" CP511



NOTE:

THROW CIRCLE DIMENSIONS SHALL COMPLY WITH NCAA RULES- FIGURES 10 & FIGURE 11.

A13 SHOT PUT THROW CIRCLE SECTION
3/4" = 1'-0" CP511

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NEW BRITAIN ATHLETIC FIELD IMPROVEMENTS
VETERANS MEMORIAL STADIUM
NEW BRITAIN, CONNECTICUT

ISSUED FOR BIDDING/CONSTRUCTION
11-25-13

CURRENT ISSUE STATUS:

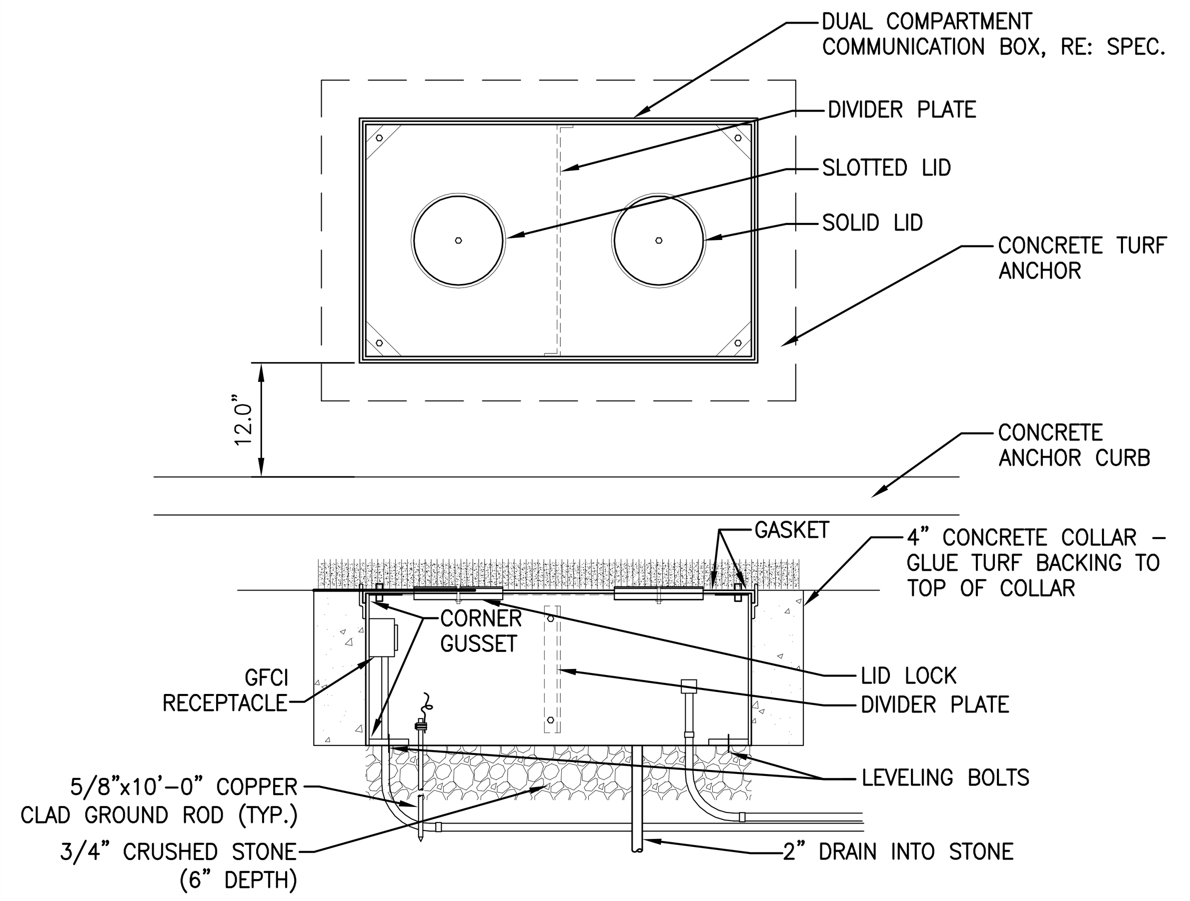
REV	DESCRIPTION	DATE
0	ISSUED FOR BIDDING/CONSTRUCTION	11-25-13

GRAPHIC SCALE: 0" 1"

SCALE:	AS SHOWN
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	ADJ
CAD FILE:	CP511-13096-02
PROJECT NO:	13096
DATE:	11-25-13

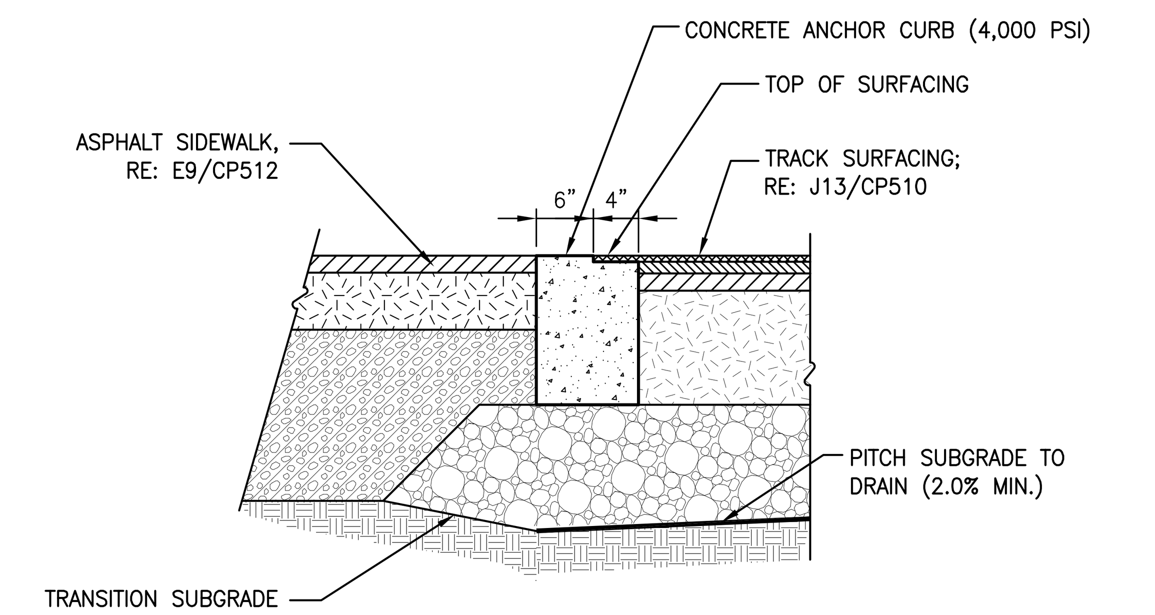
SHEET TITLE:
SITE LAYOUT DETAILS

SHEET No.
CP511

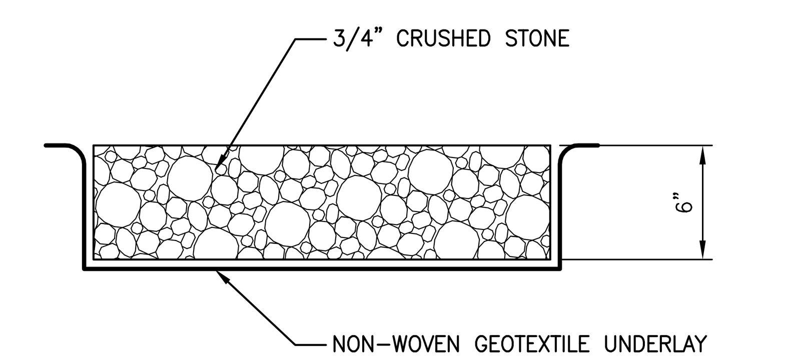


NOTE: WHERE BOX IS IN ASPHALT PAVEMENT, SET BOX FLUSH W/ ADJACENT ASPHALT.

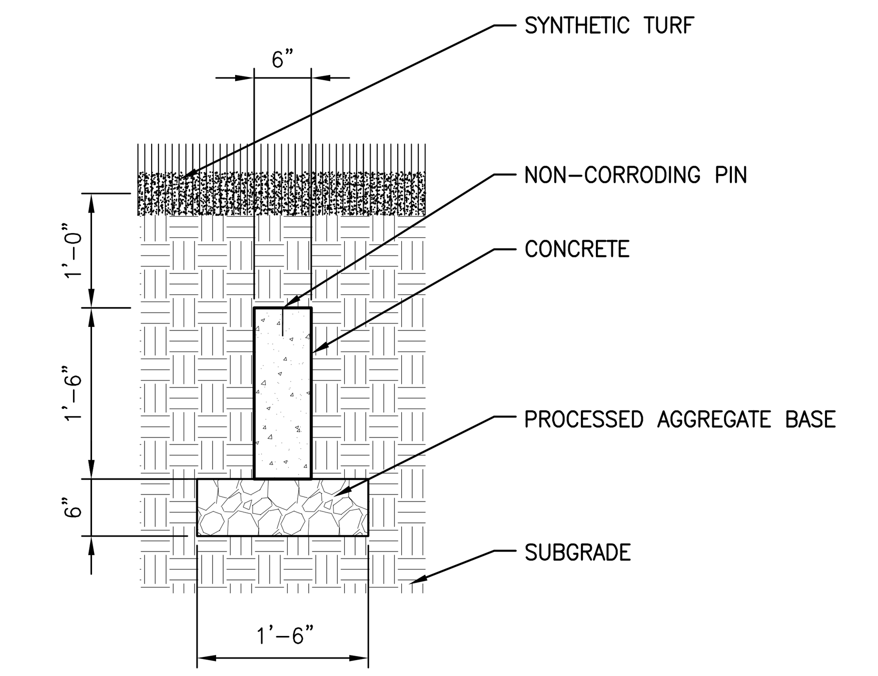
J1	ELECTRICAL HANDHOLE "COMBOX"
NOT TO SCALE	CP110



J5	CONCRETE OUTER CURB
3/4" = 1'-0"	CP110



J9	STONE MULCH STRIP
1 1/2" = 1'-0"	CP110

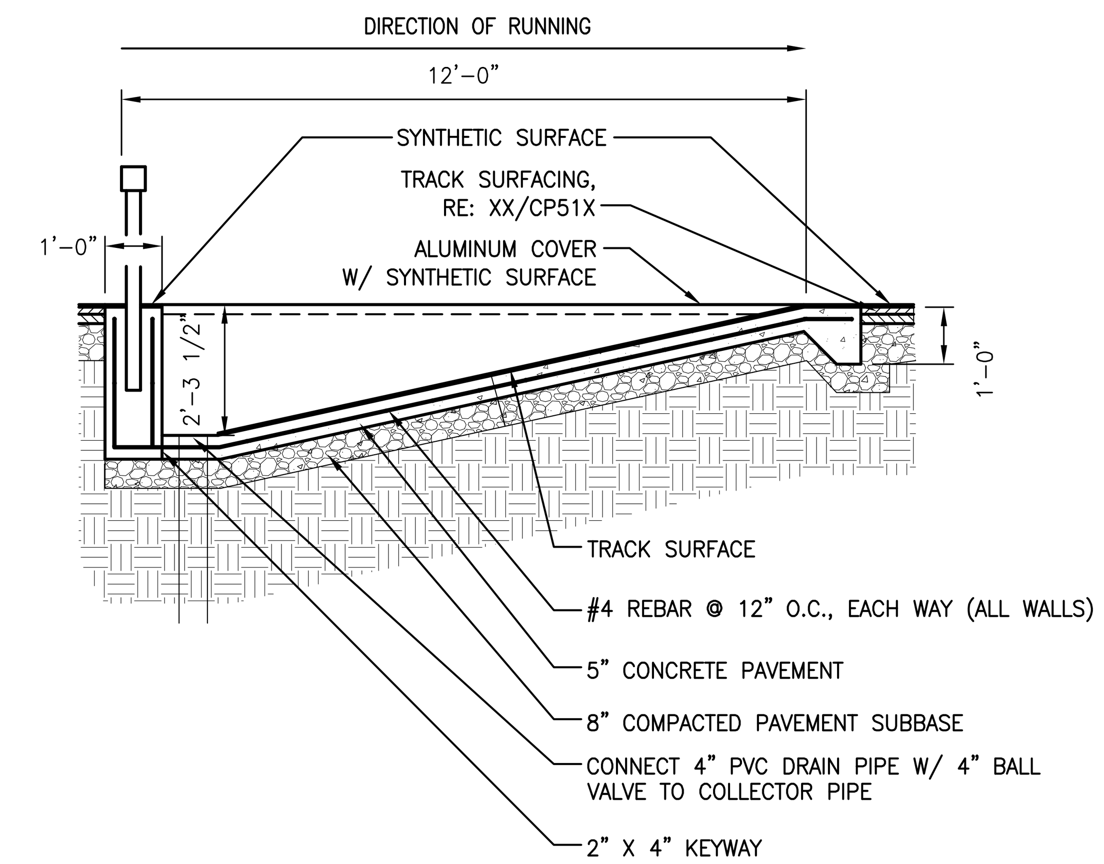


NOTE:

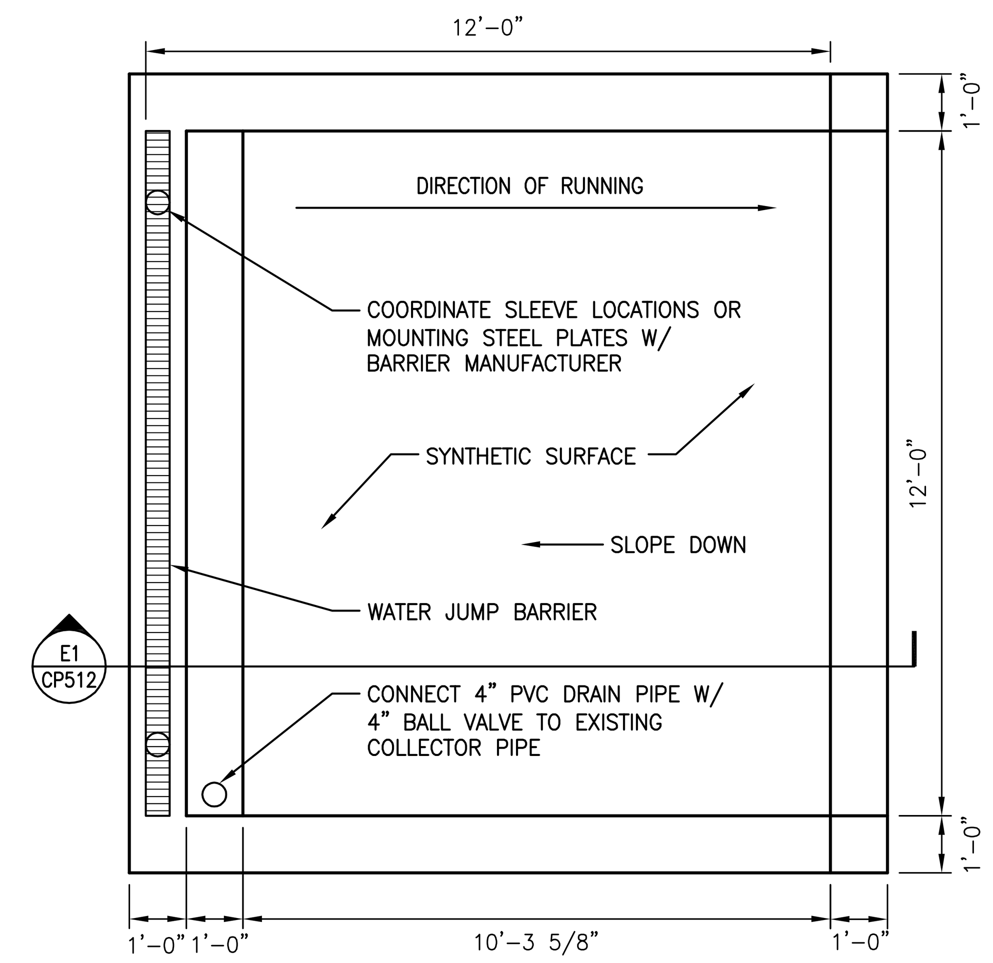
PROVIDE LOCATION PINS IN OUTSIDE CONCRETE CURBS AT 4 POINTS OF CURVATURE (PC'S).

J13	RADIUS MONUMENT
3/4" = 1'-0"	CP110

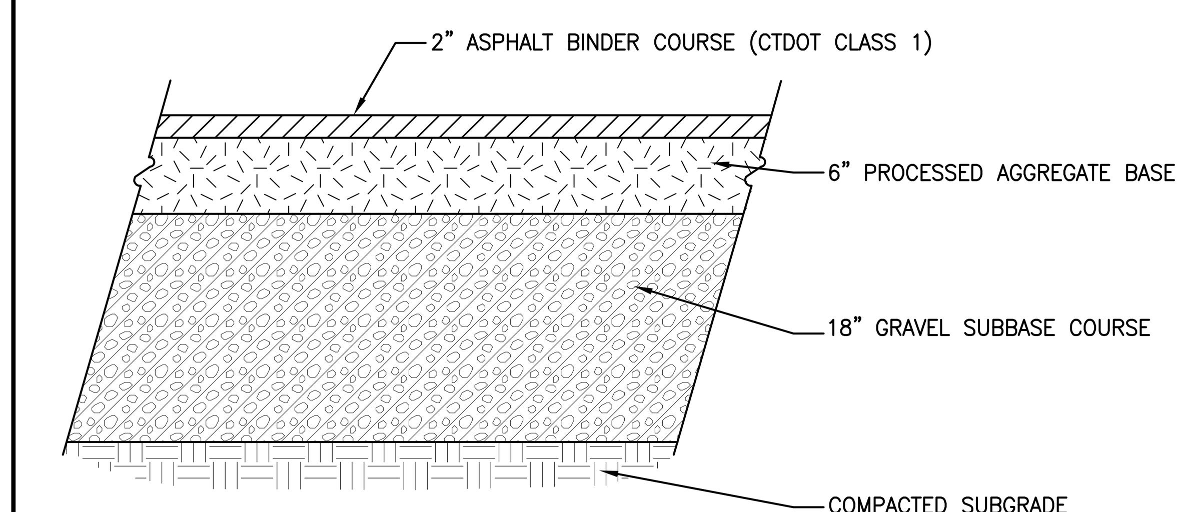
NOTE: ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENTS ARE FOR BIDDING ONLY. REFER TO SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.



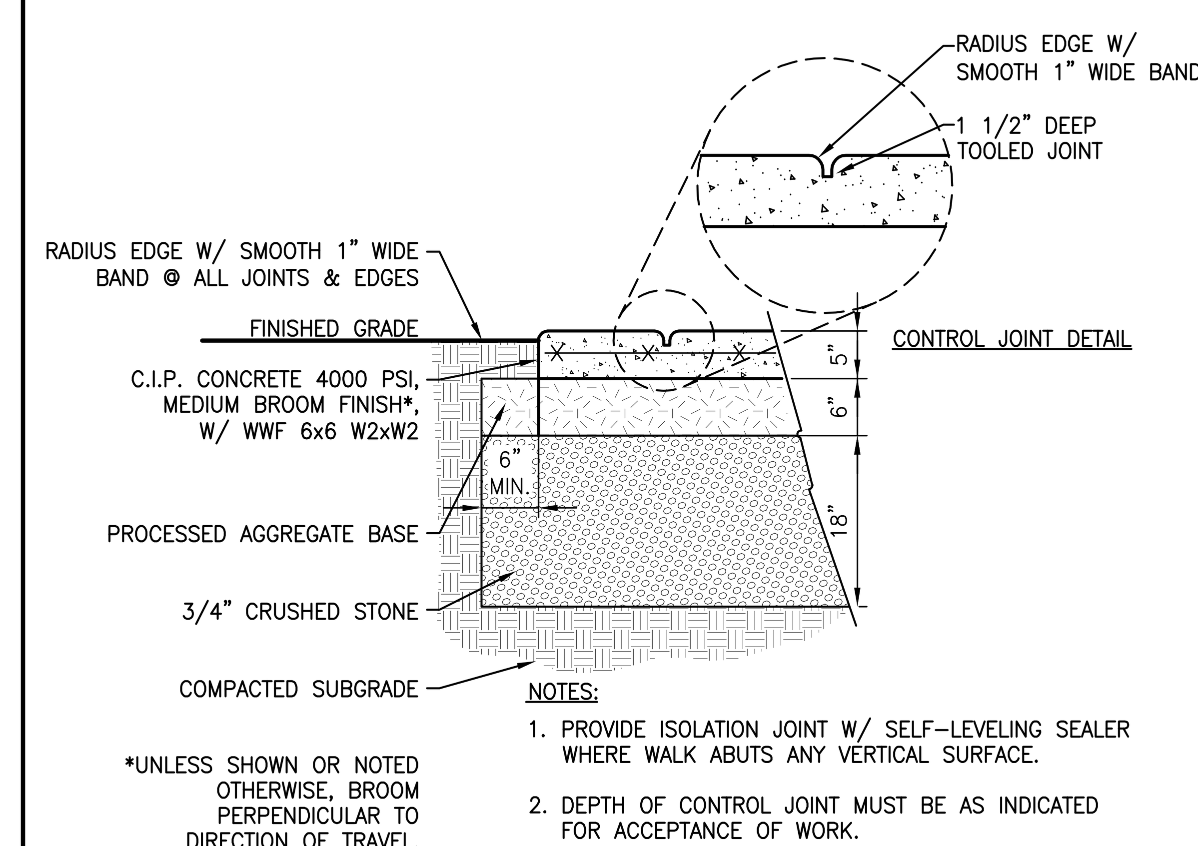
E1	STEEPLECHASE SECTION
3/8" = 1'-0"	CP110



E5	STEEPLECHASE PLAN
3/8" = 1'-0"	CP110



E9	ASPHALT SIDEWALK
1" = 1'-0"	CP110

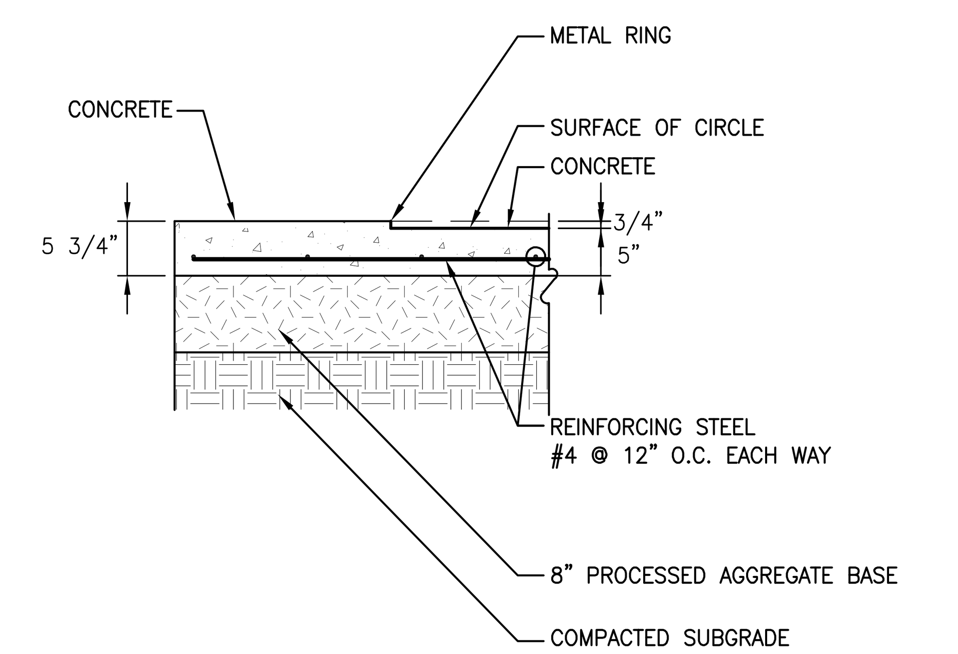


NOTES:

1. PROVIDE ISOLATION JOINT W/ SELF-LEVELING SEALER WHERE WALK ABUTS ANY VERTICAL SURFACE.
2. DEPTH OF CONTROL JOINT MUST BE AS INDICATED FOR ACCEPTANCE OF WORK.

*UNLESS SHOWN OR NOTED OTHERWISE, BROOM PERPENDICULAR TO DIRECTION OF TRAVEL.

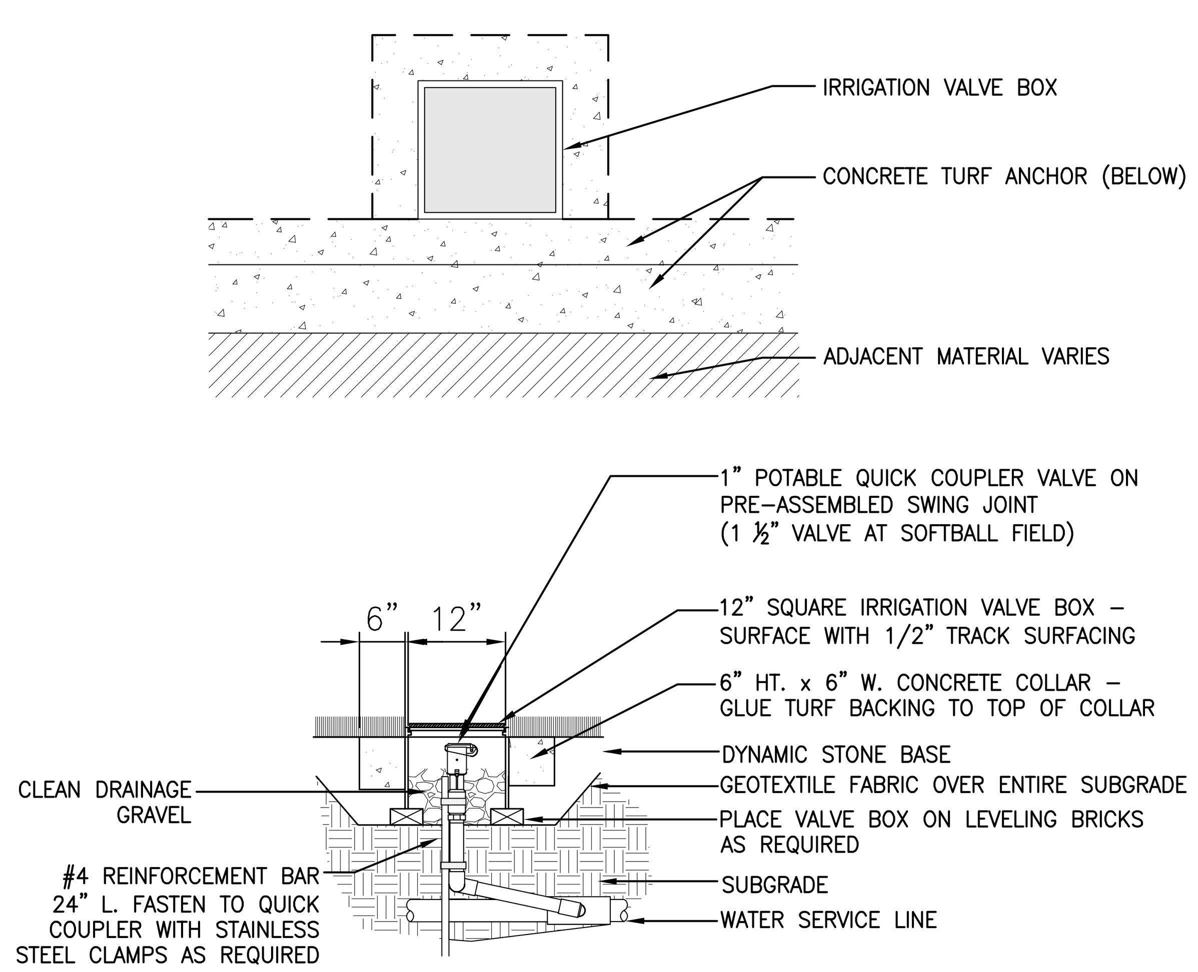
E13	CONCRETE BLEACHER PAD
3/4" = 1'-0"	CP110



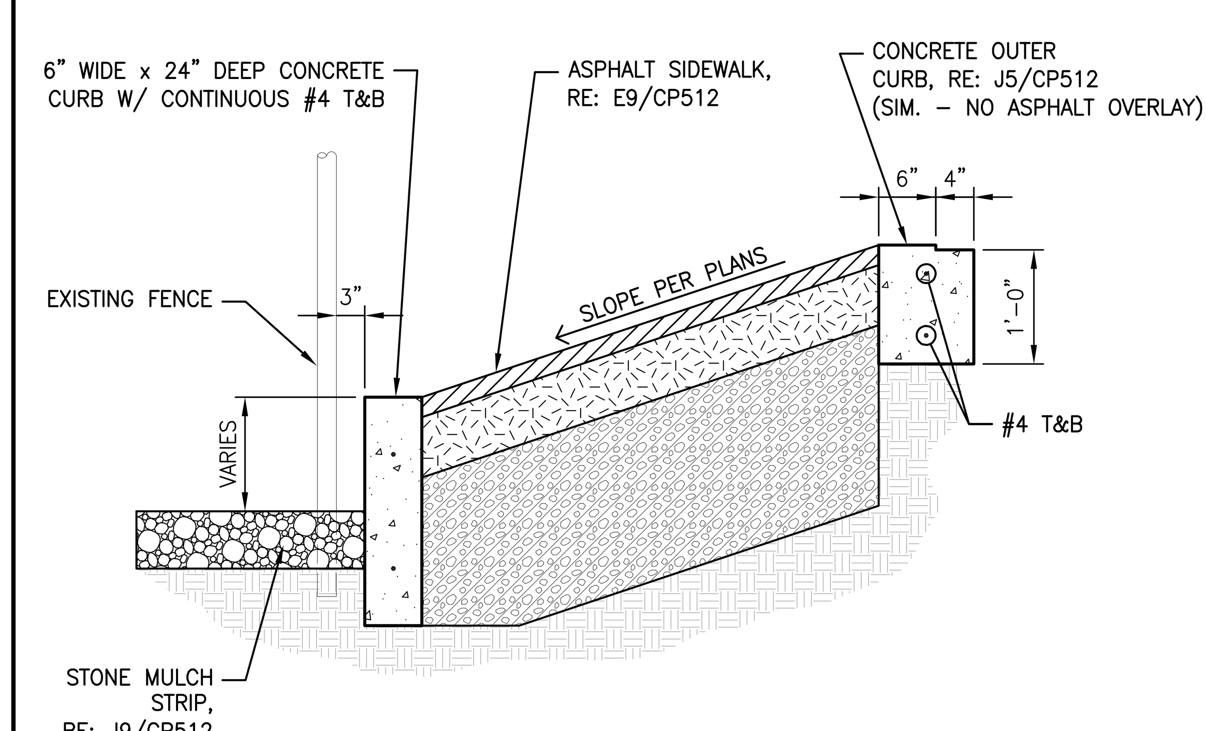
NOTE:

THROW CIRCLE DIMENSIONS SHALL COMPLY WITH NCAA RULES – FIGURES 10 & FIGURE 11.

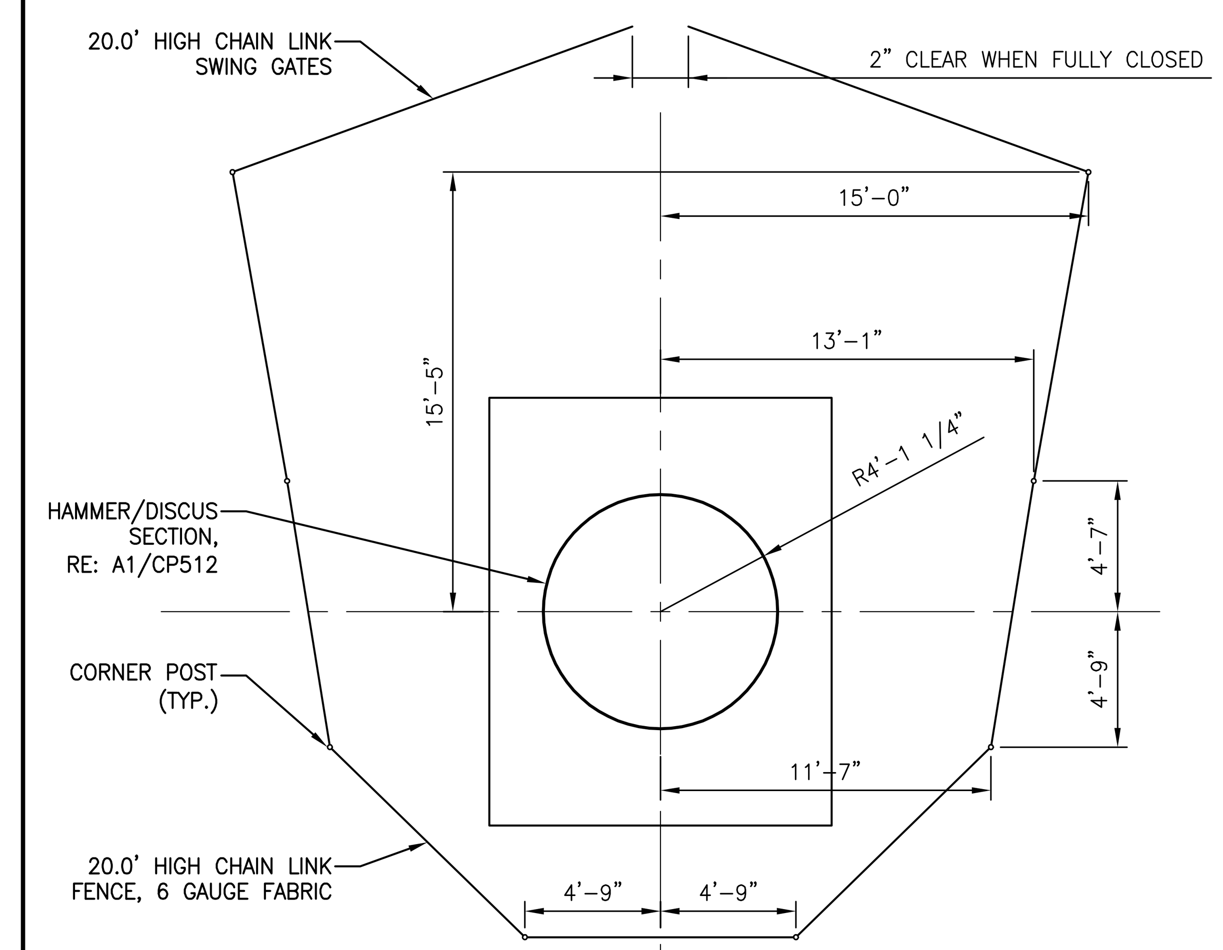
A1	HAMMER/DISCUS SECTION
3/4" = 1'-0"	CP110



A5	QUICK COUPLER
NOT TO SCALE	CP111



A9	CONCRETE CURB
3/4" = 1'-0"	CP110



A13	HAMMER/DISCUS CAGE
3/16" = 1'-0"	CP111

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CAD FILE:	CP512-13096-02
PROJECT NO:	13096
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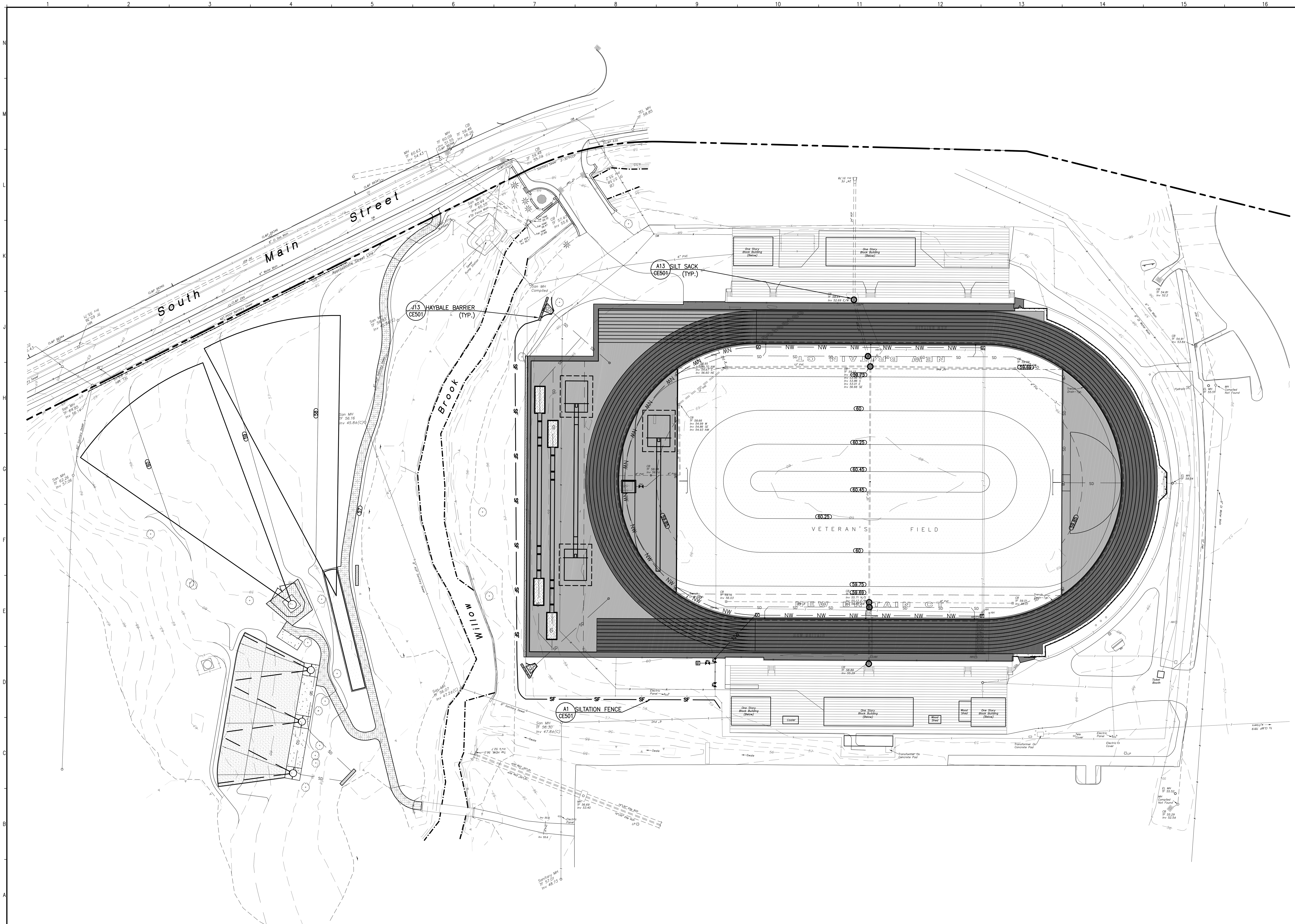
SHEET TITLE:
SITE LAYOUT DETAILS

SHEET No.
CP512



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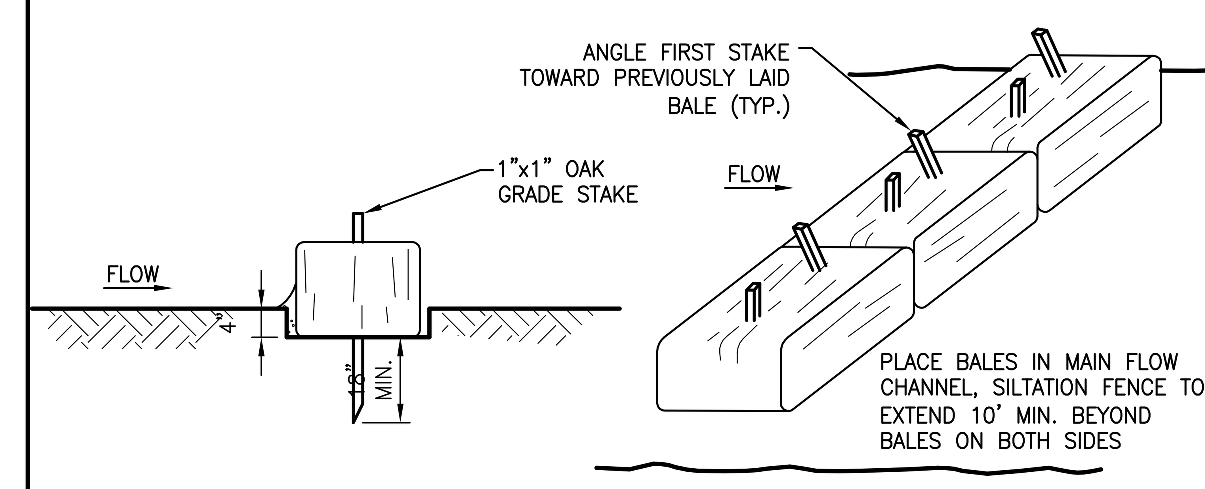
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CE110-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:

EROSION & SEDIMENT CONTROL PLAN

SHEET No.
CE110

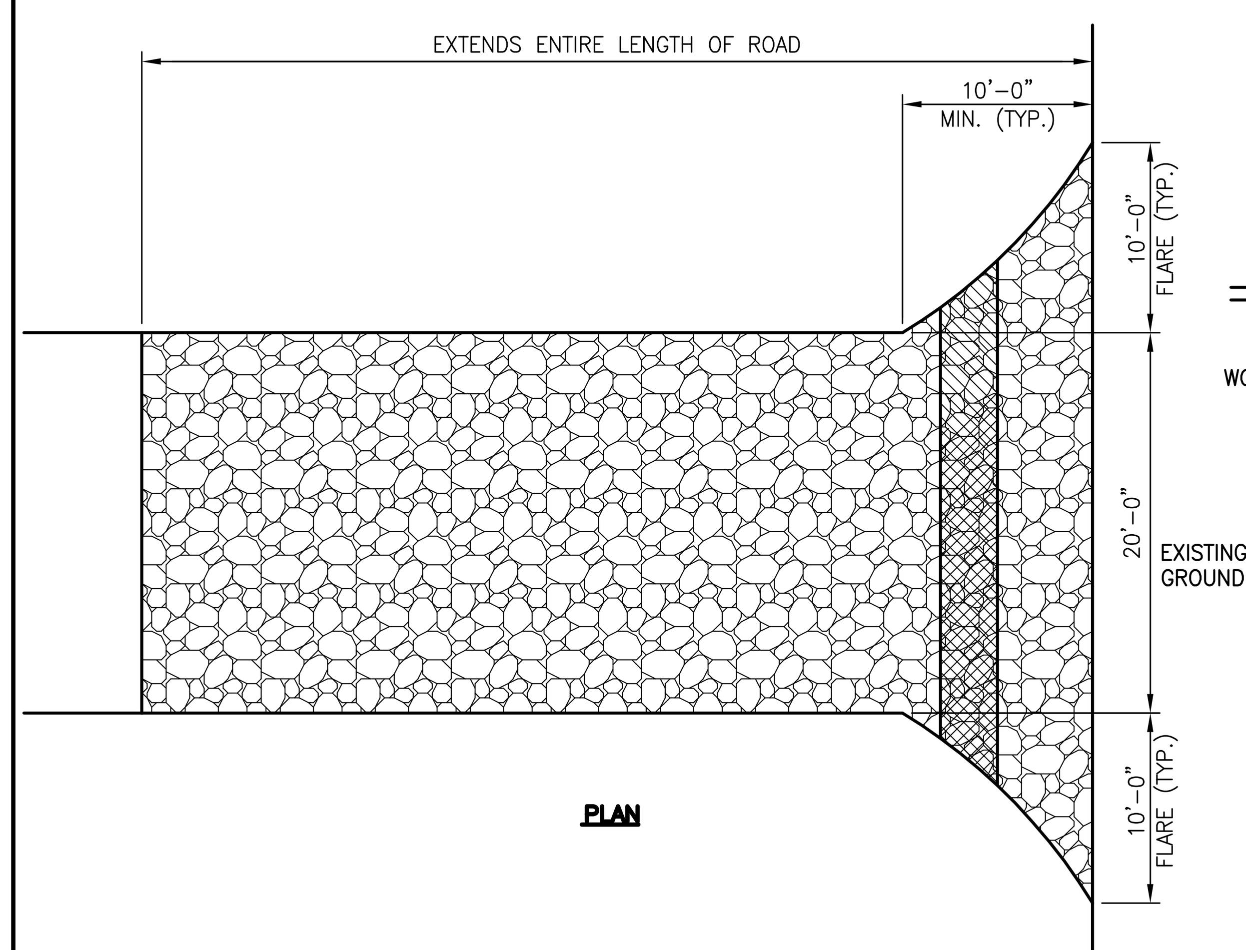


J1	*
*	*

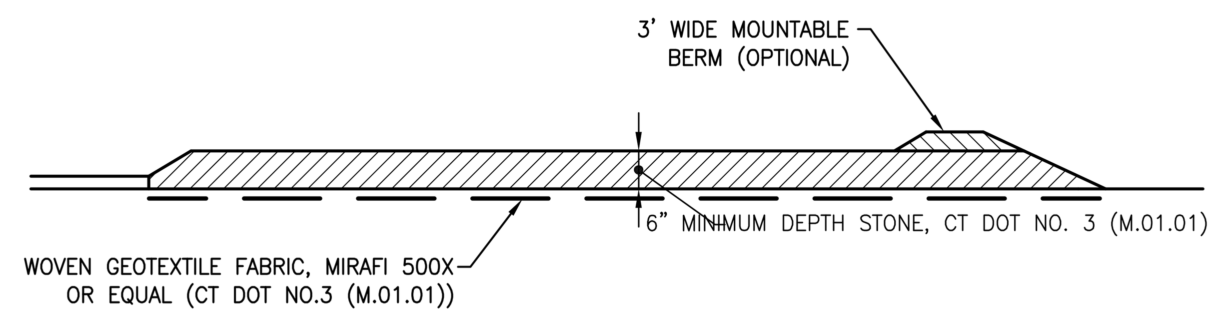
J5	*
*	*

J9	*
*	*

J13	HAYBALE CHECKDAM
NOT TO SCALE	CE101



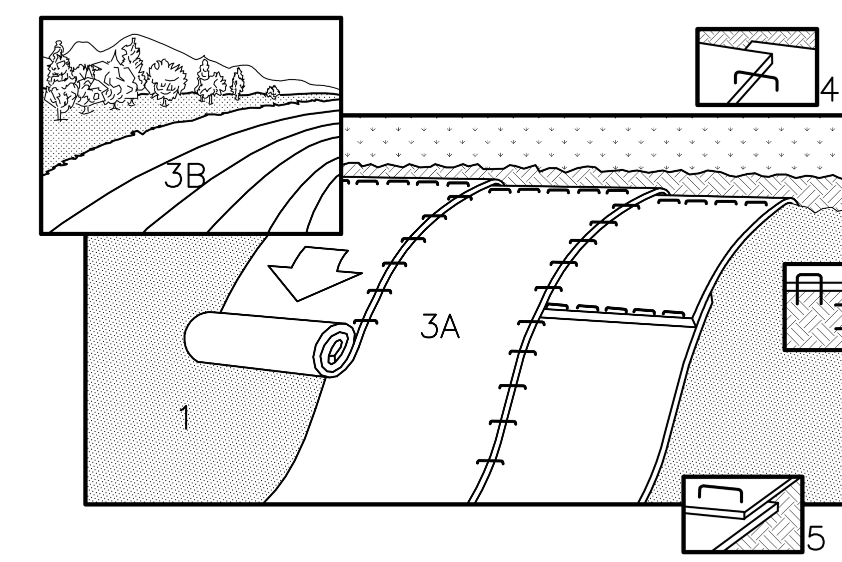
PLAN



PROFILE

NOTES:

1. THE PURPOSE IS TO REMOVE MUD FROM TIRES OF CONSTRUCTION VEHICLES.
2. WHEN STONE BECOMES CLOGGED AND INEFFECTIVE, TOPDRESS WITH 3" OF NEW STONE OR REPLACE ENTIRE PAD.
3. IF TIRE WASHING IS REQUIRED, WASH WATER SHALL DRAIN INTO AN APPROVED SEDIMENT TRAPPING DEVICE.



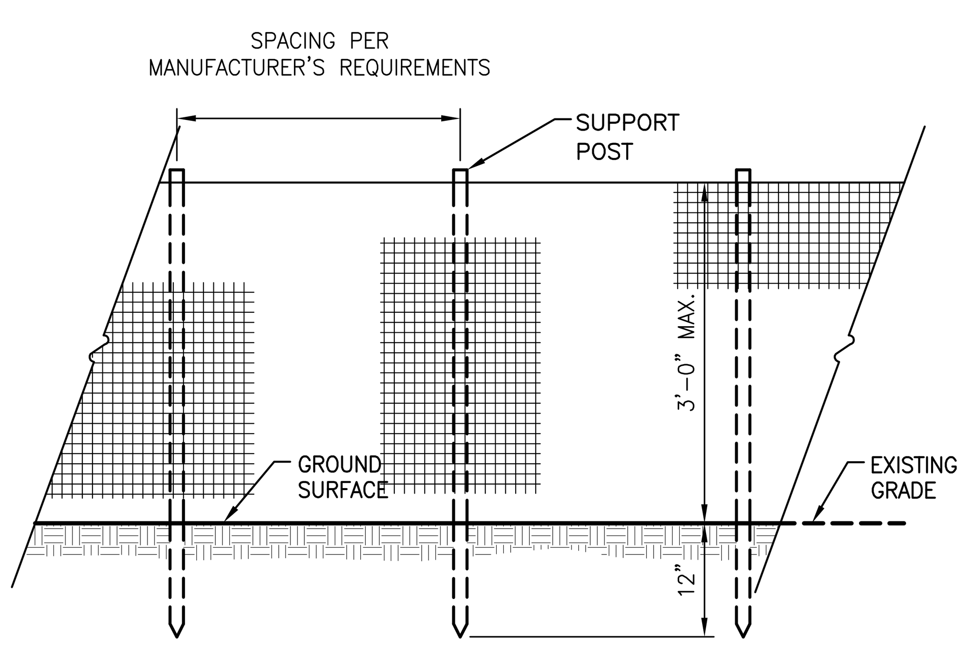
NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP. REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

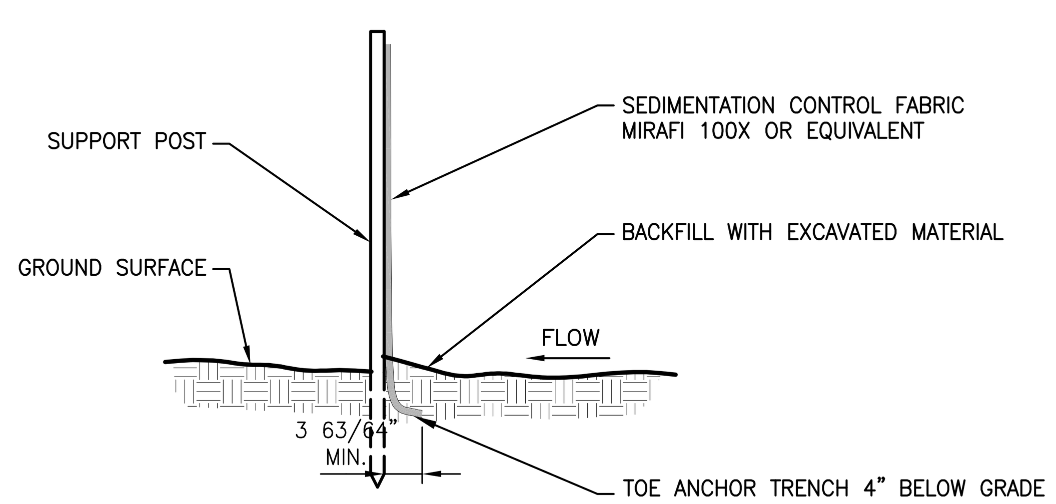
E1	*
*	*

E5	STABILIZED CONSTRUCTION ENTRANCE
1/8" = 1'-0"	CE101

E13	EROSION CONTROL BLANKET
NOT TO SCALE	CE101

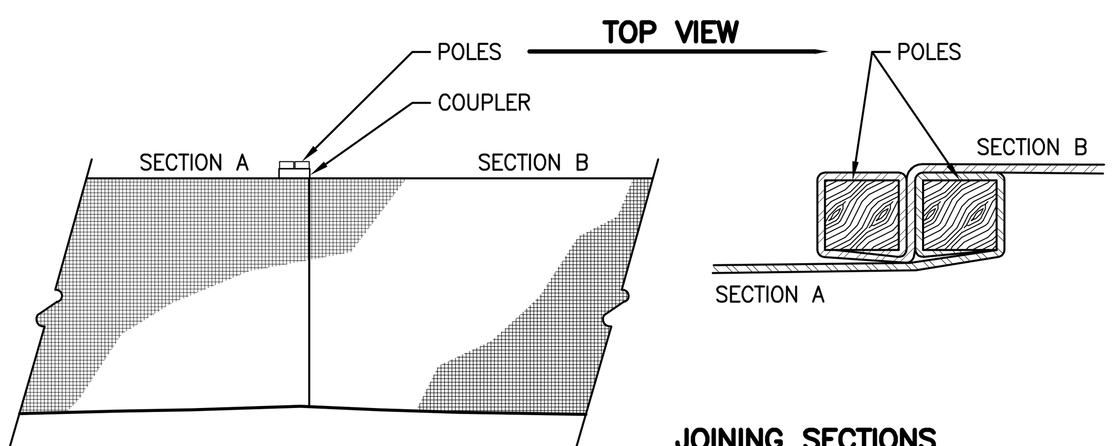


ELEVATION

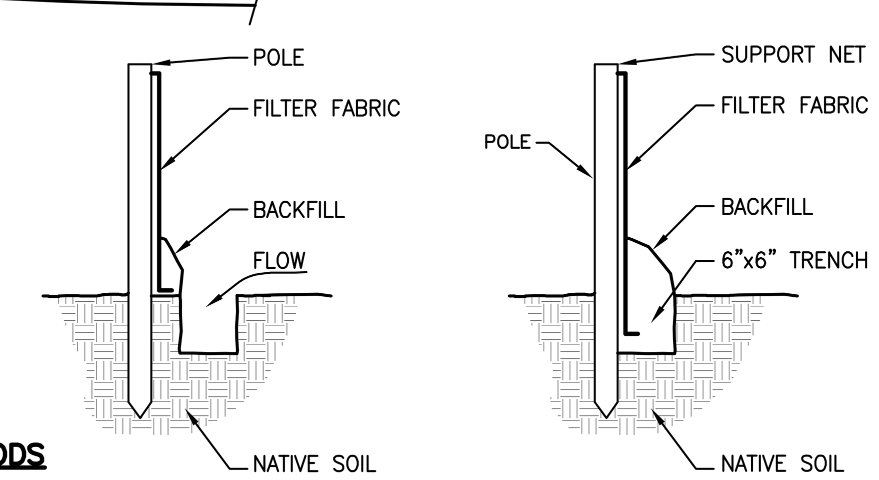


SECTION

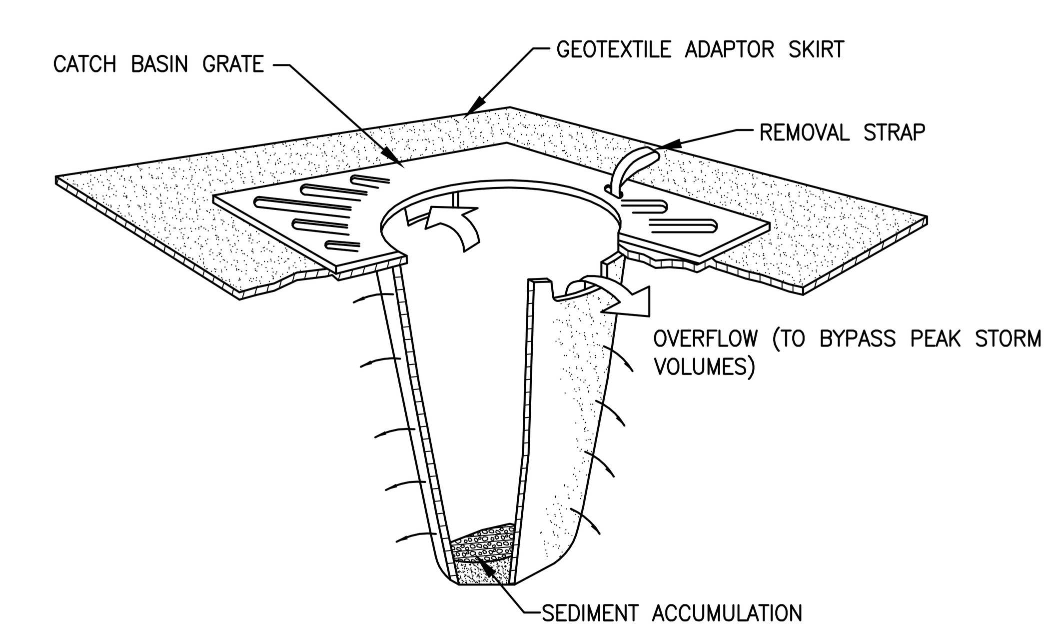
NOTE: FOR AREAS OF ROCKY OR FROZEN GROUND, SEE INSTALLATION METHODS.



JOINING SECTIONS



TOE-IN INSTALLATION METHODS



NOTES:

1. CATCH BASIN PROTECTION TO BE "SILTSACK" (BY ACF ENVIRONMENTAL) OR "STREAM GUARD" (BY FOSS ENVIRONMENTAL SERVICES).
2. INSERT TO BE EMPTIED IN AN APPROVED MANNER WHEN IT IS 1/2 FULL OF SEDIMENT.
3. INSPECT INSERT AFTER ALL RAINFALL EVENTS, REPAIR AND MAINTAIN AS REQUIRED.

A1	SILTATION FENCE
3/4" = 1'-0"	CG101

A13	SILT SACK
NOT TO SCALE	CG101

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NEW BRITAIN, CONNECTICUT

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11-25-13

CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
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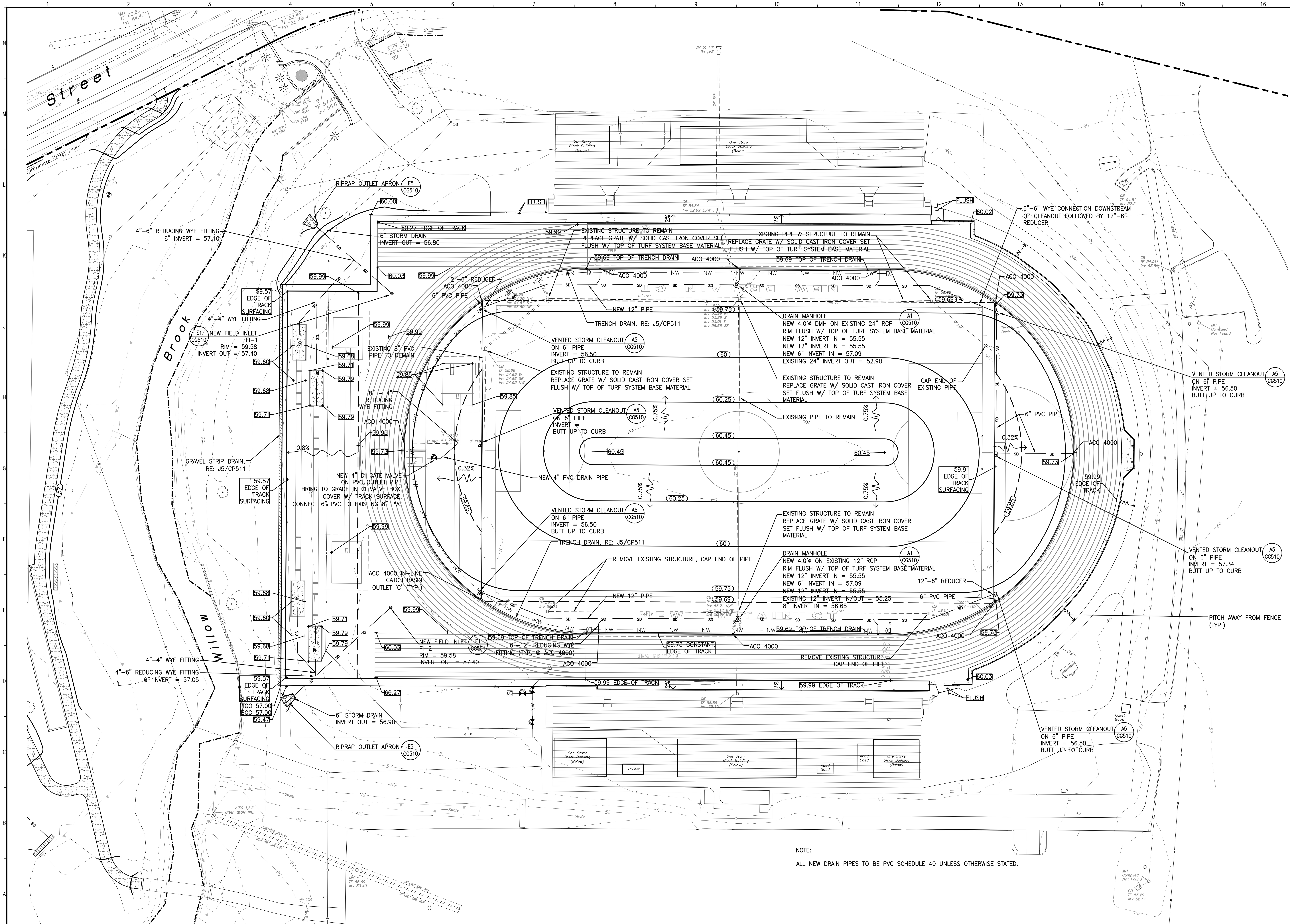
GRAPHIC SCALE: 0" 1"

SCALE:	AS SHOWN
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CE510-13096-01
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
EROSION & SEDIMENT CONTROL DETAILS

SHEET No.
CE510



NOTE:

ALL NEW DRAIN PIPES TO BE PVC SCHEDULE 40 UNLESS OTHERWISE STATED.

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CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
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GRAPHIC SCALE:

SCALE:	1" = 30'
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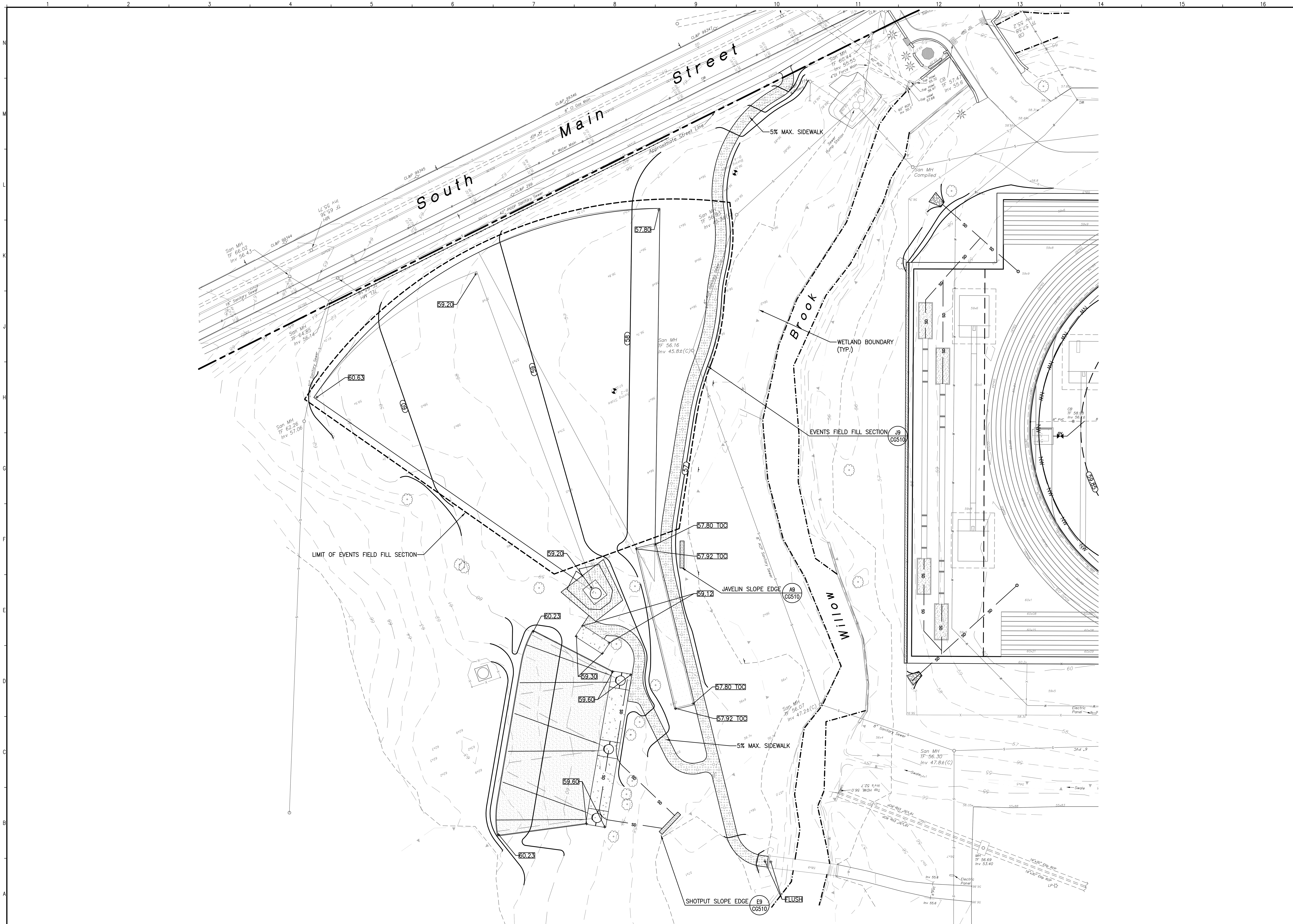
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CG110-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:

GRADING & DRAINAGE PLAN - TRACK

SHEET No.

CG110



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CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
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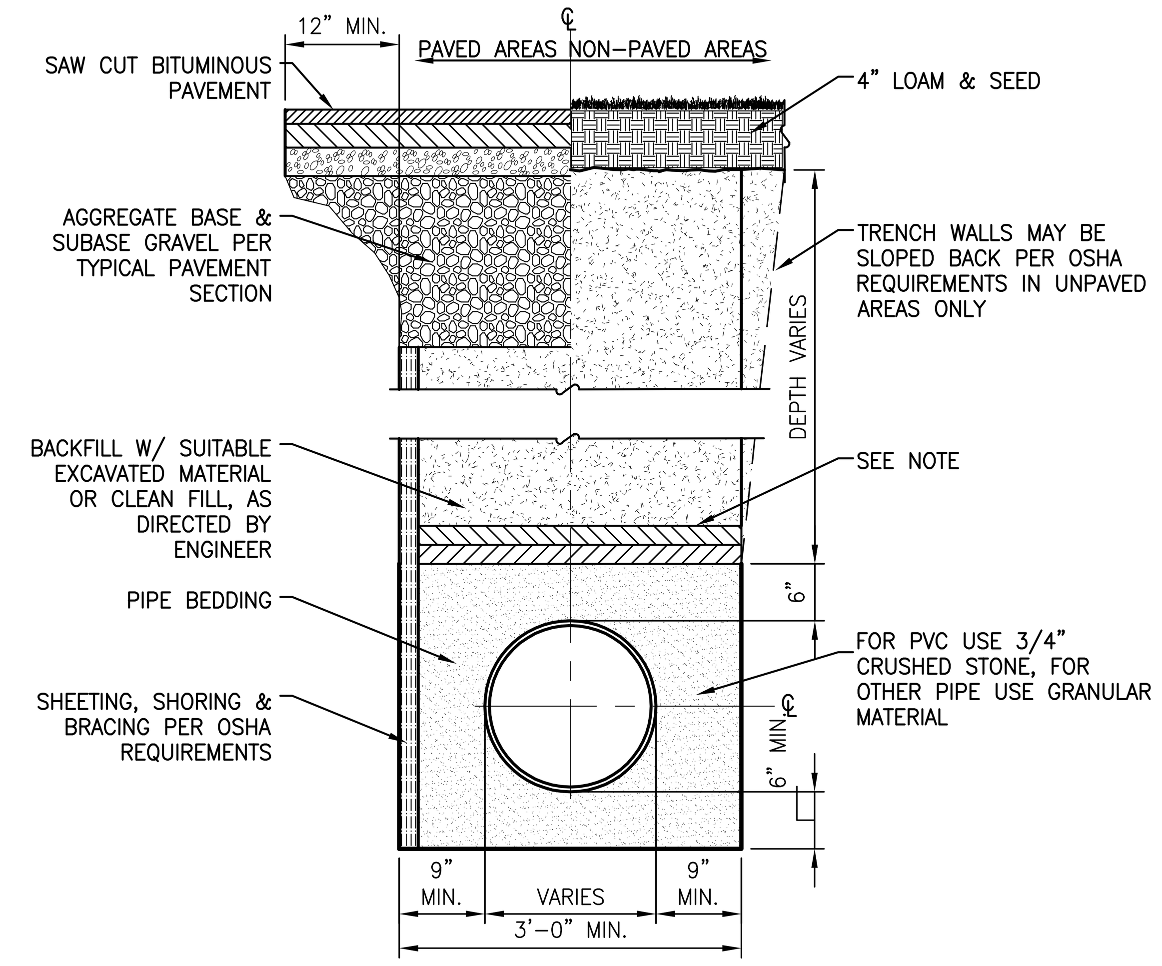
GRAPHIC SCALE: 0" 1"

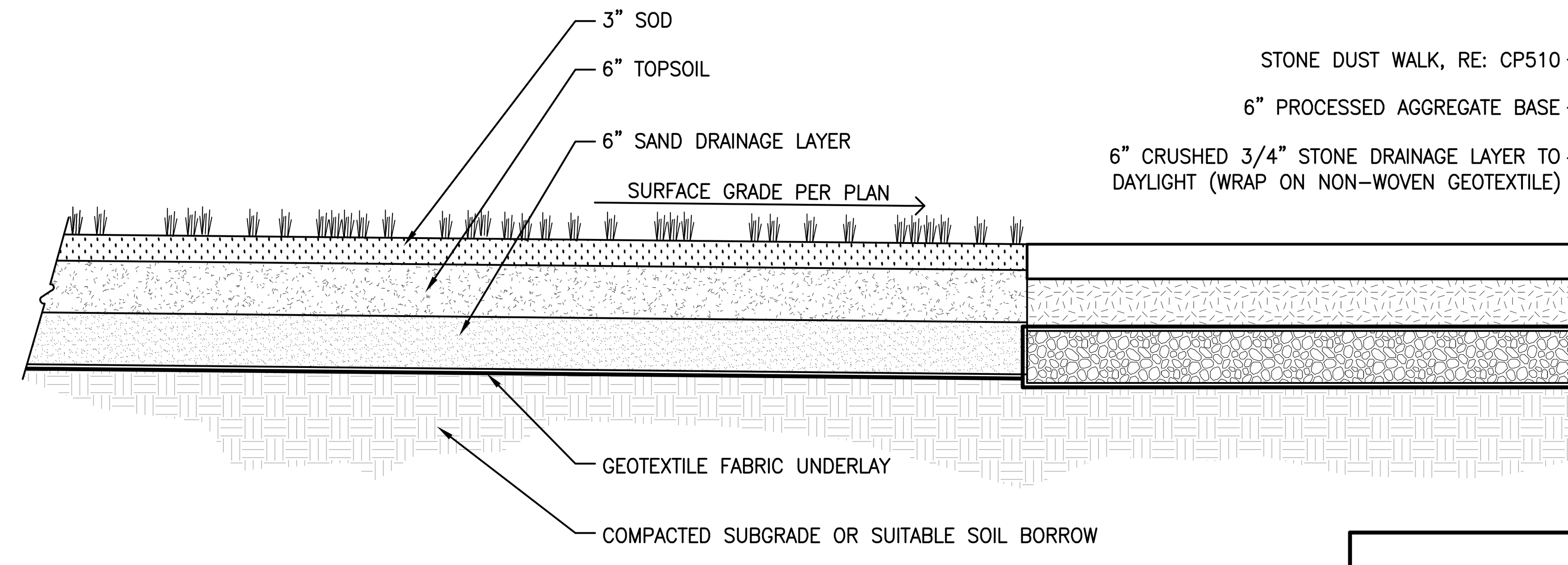
SCALE:	1" = 30'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CG111-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:

GRADING & DRAINAGE PLAN - FIELD EVENTS

SHEET No. CG111





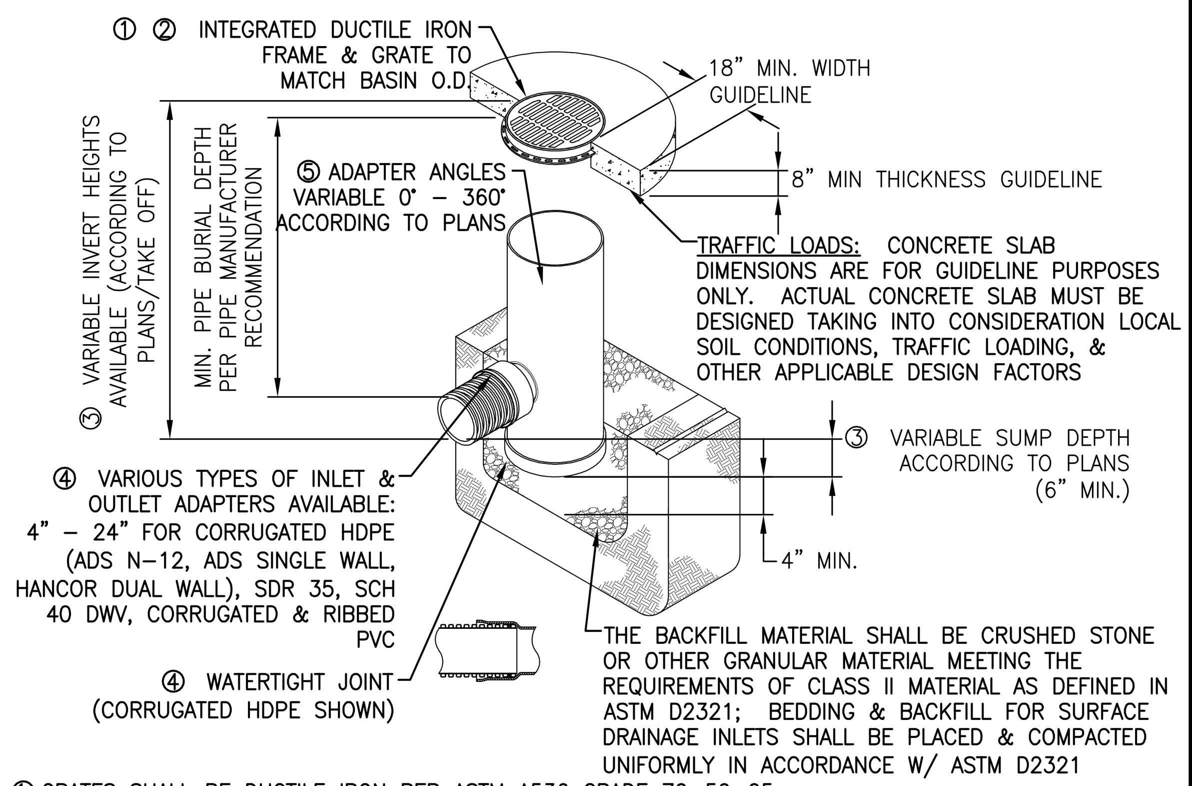
NOTE: SEE CG111 FOR LIMITS.

SAND DRAINAGE	
3/8"	100%
NO 4	90–100%
NO 8	70–90%
NO 30	40–60%
NO 50	15–40%
NO 100	5–10%
NO 200	<5%

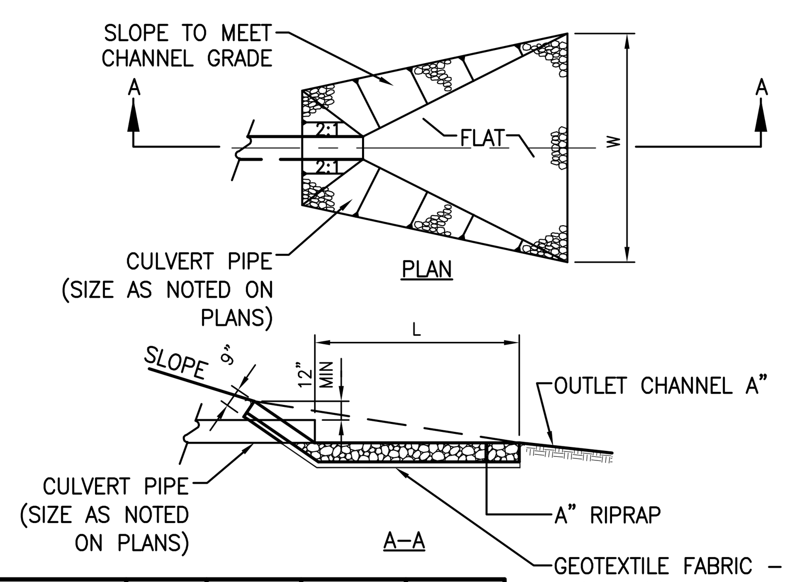
J1	*
*	*

J5	STORM DRAIN TRENCH
3/4" = 1'-0"	CG110

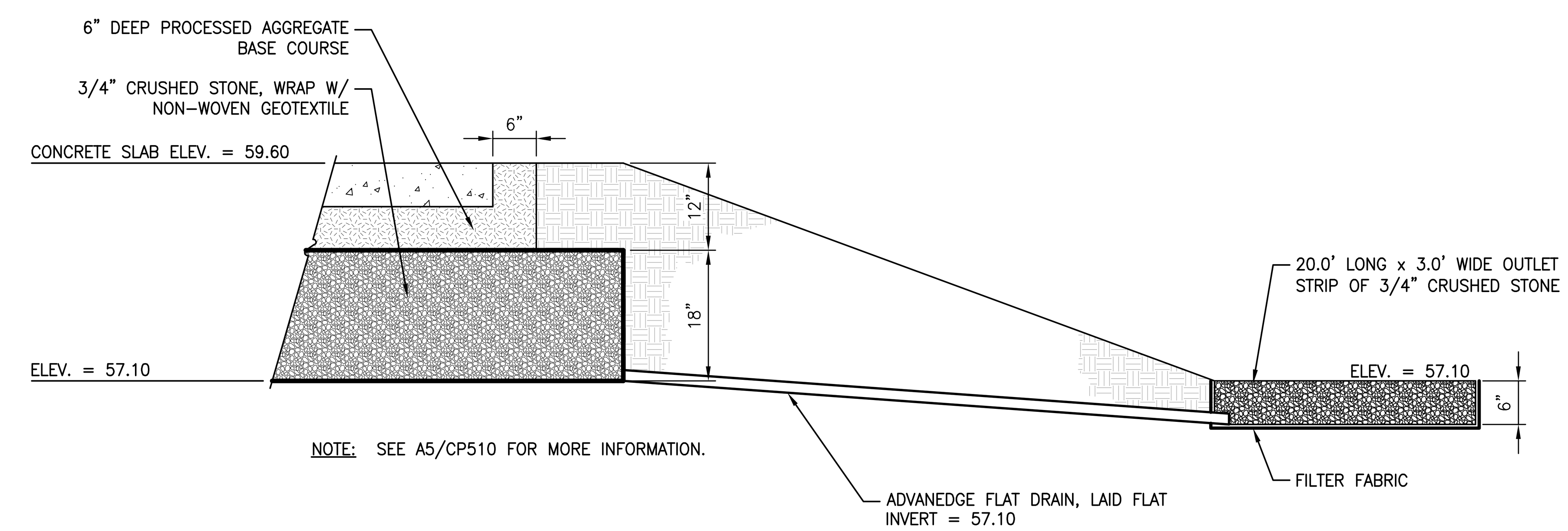
J9	EVENTS FIELD FILL SECTION
3/4" = 1'-0"	CG111



① GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05,
② FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
③ DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.
④ DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
⑤ ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°.



DIAMETER	L	W	A	D50
18"	10'	12'	15"	6"
12"	6'	4'	8"	3"
24"	12'	14'	15"	6"

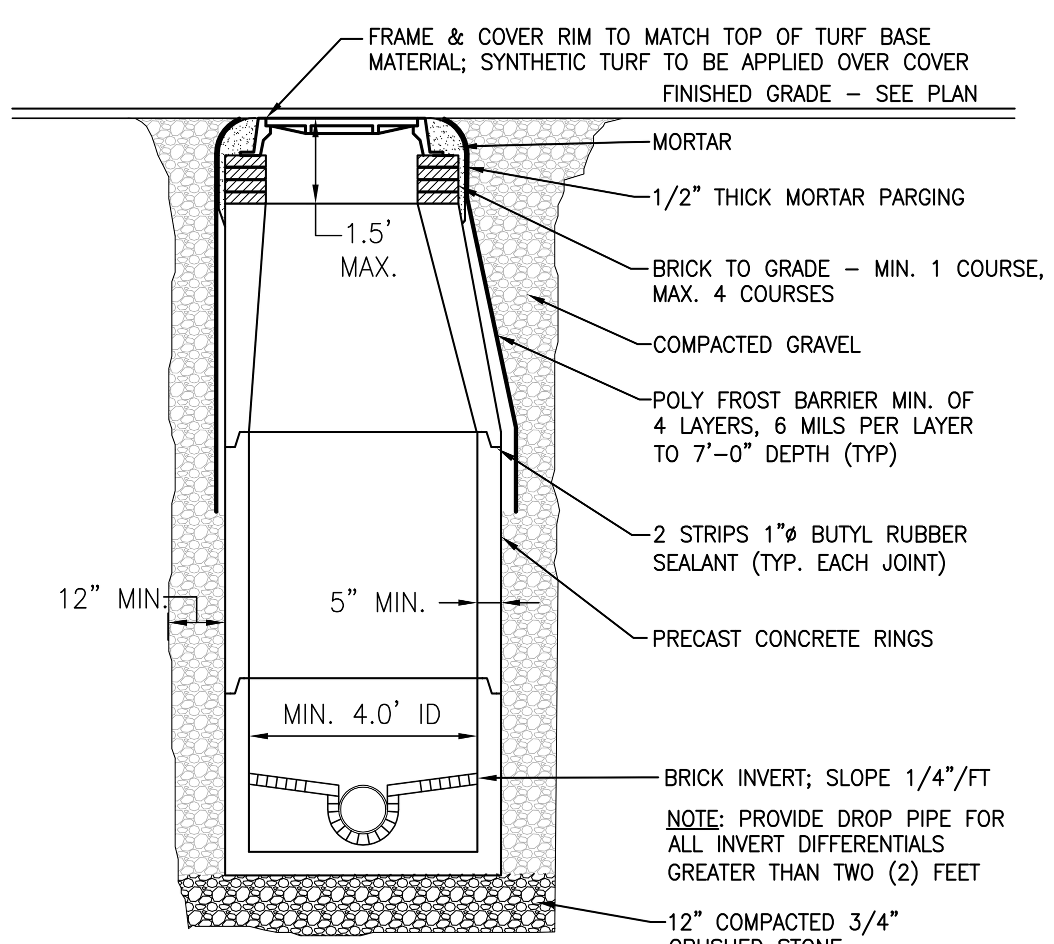


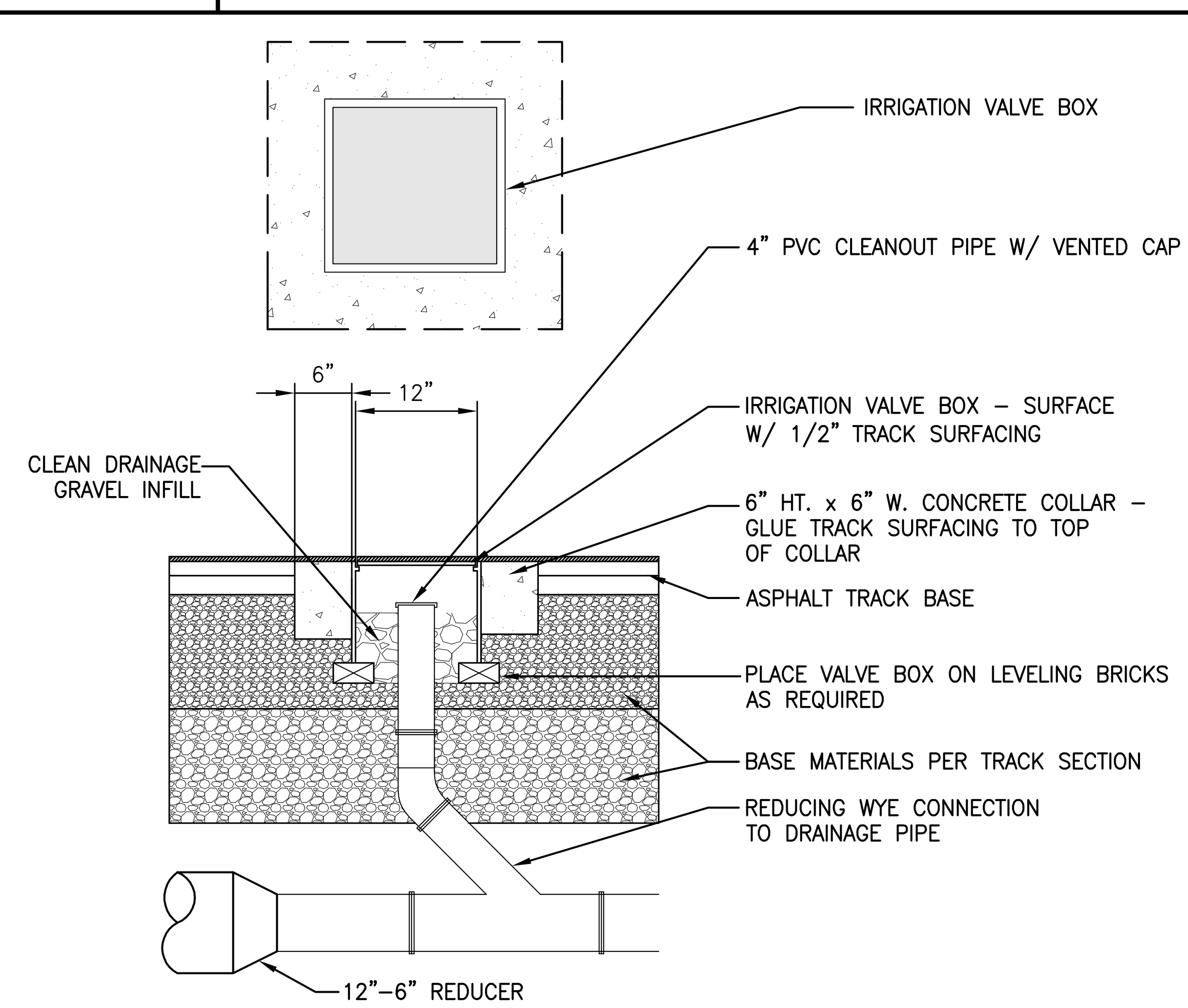
NOTE: SEE A5/CP510 FOR MORE INFORMATION.

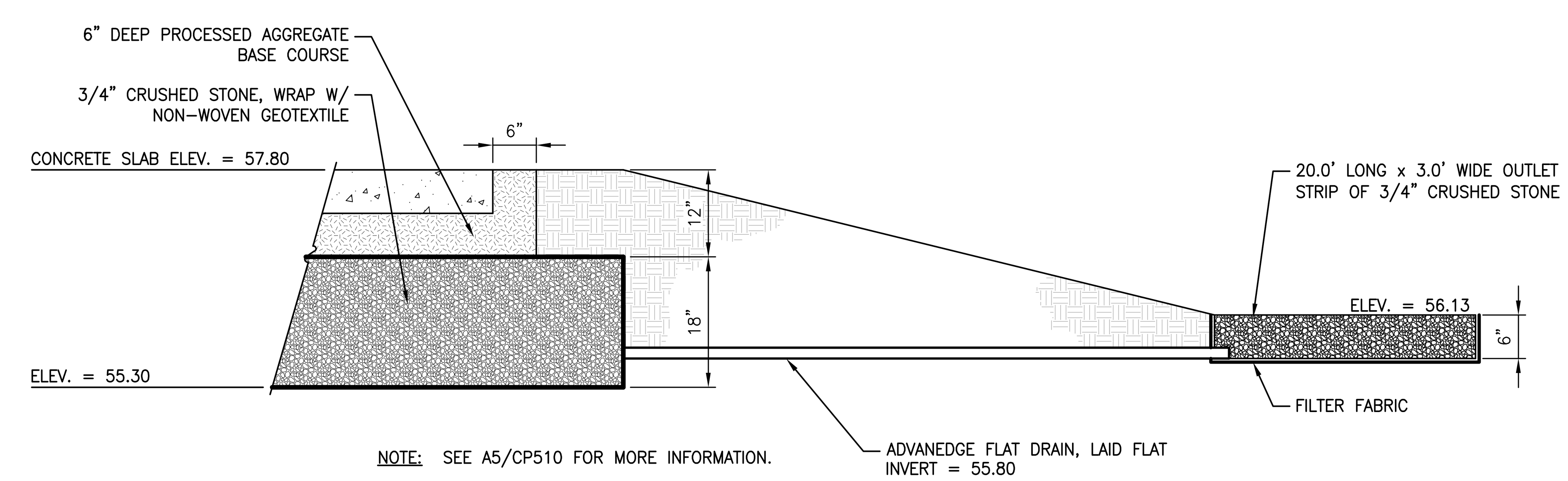
E1	FIELD INLET
NOT TO SCALE	CG110

E5	RIPRAP OUTLET APRON
NOT TO SCALE	CG110

E9	SHOT PUT SLOPE EDGE
3/4" = 1'-0"	CG111







NOTE: SEE A5/CP510 FOR MORE INFORMATION.

A1	DRAIN MANHOLE
3/8" = 1'-0"	CG110

A5	VENTED STORM CLEANOUT
NOT TO SCALE	CG110

A9	JAVELIN SLOPE EDGE
3/4" = 1'-0"	CG111

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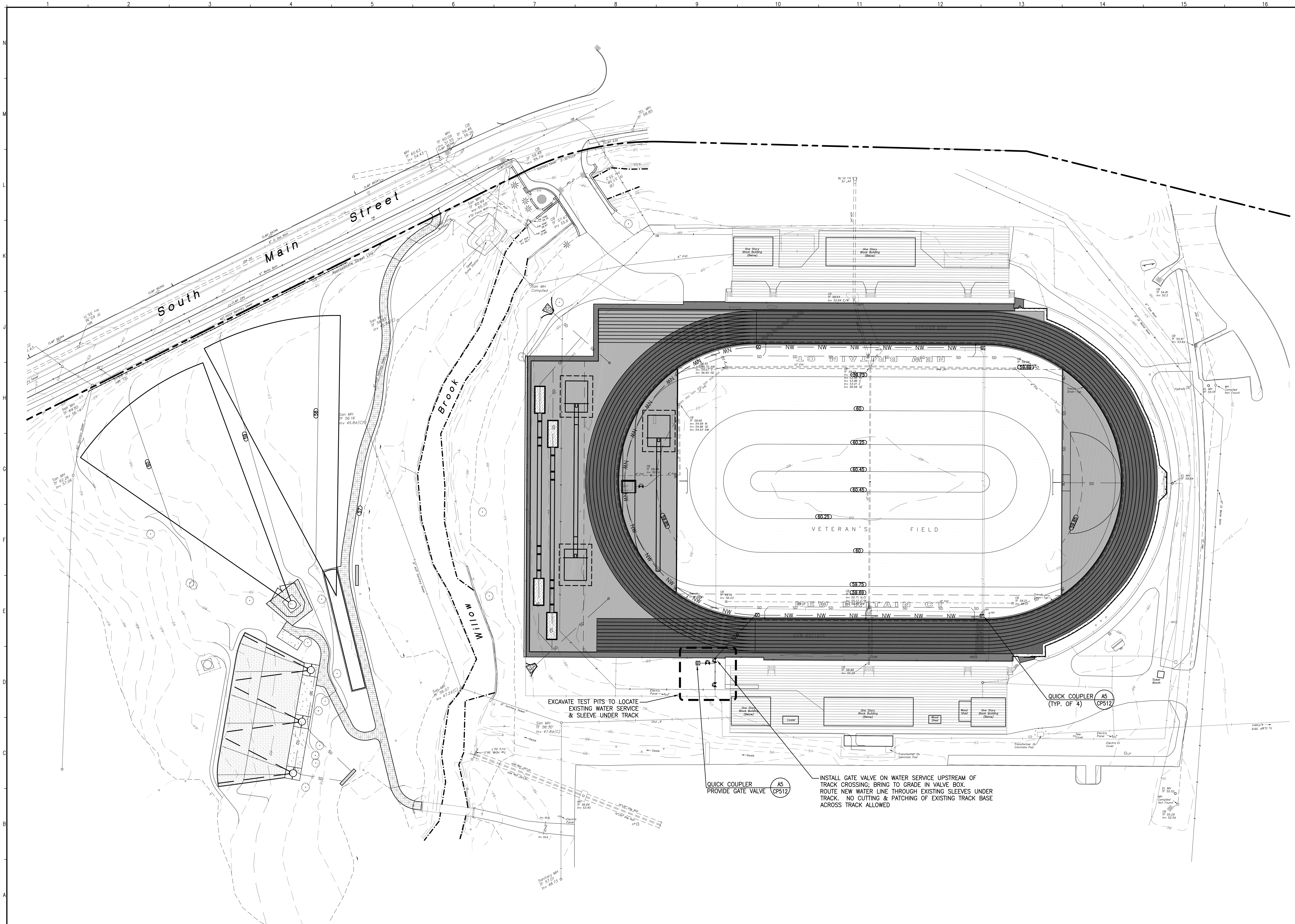
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	ADJ
CAD FILE:	CG510-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
GRADING & DRAINAGE DETAILS

SHEET No.
CG510



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CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
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GRAPHIC SCALE:
0" 1"

SCALE:	1" = 40'
PROJECT MANAGER:	RFW
JC/DRAWN BY:	WSM
A/E OF RECORD:	RFW
CAD FILE:	CU110-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
UTILITY PLAN

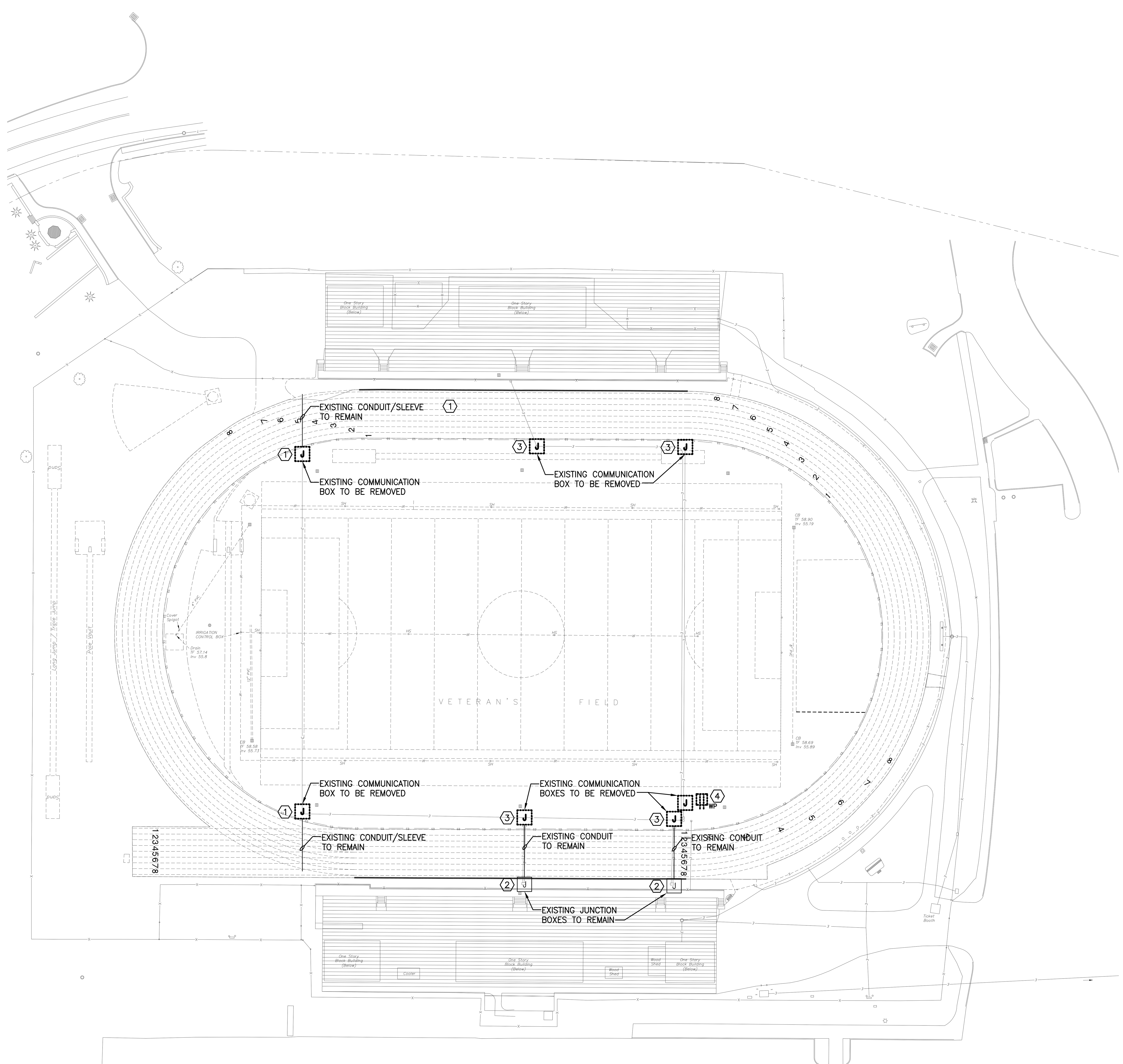
SHEET No.
CU110

NOTE:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:

1. EXISTING COMMUNICATIONS BOX TO BE REMOVED AND REPLACED WITH NEW BOX AS INDICATED ON ES110. TWO 4" CONDUITS THAT CURRENTLY RUN UNDER EXISTING TRACK TO REMAIN AND BE RECONNECTED TO TWO NEW COMMUNICATIONS BOXES. ALL OTHER CONDUITS AND WIRING WITHIN THE TRACK AREA THAT ARE CONNECTED TO EXISTING BOX SHALL ALSO BE REMOVED.
2. EXISTING COMMUNICATIONS BOX TO BE REMOVED AND REPLACED WITH NEW BOX AS INDICATED ON ES110. THE EXISTING JUNCTION BOX LOCATED OUTSIDE THE TRACK AREA AND TWO 4" CONDUITS THAT CURRENTLY RUN BETWEEN THE COMMUNICATIONS BOX AND JUNCTION BOX TO REMAIN AND BE RECONNECTED TO NEW COMMUNICATIONS BOX. ALL OTHER CONDUITS AND WIRING WITHIN THE TRACK AREA THAT ARE CONNECTED TO EXISTING BOX SHALL ALSO BE REMOVED.
3. EXISTING COMMUNICATIONS BOX TO BE REMOVED AND REPLACED WITH NEW BOX AS INDICATED ON ES110. ALL CONDUITS AND WIRING WITHIN THE TRACK AREA THAT ARE CONNECTED TO EXISTING BOX SHALL ALSO BE REMOVED.
4. REMOVE EXISTING DUPLEX GFCI RECEPTACLE AND ALL ASSOCIATED BOXES, CONDUIT AND WIRING.



A1 SITE PLAN
1" = 40'

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SCALE:	1" = 40'
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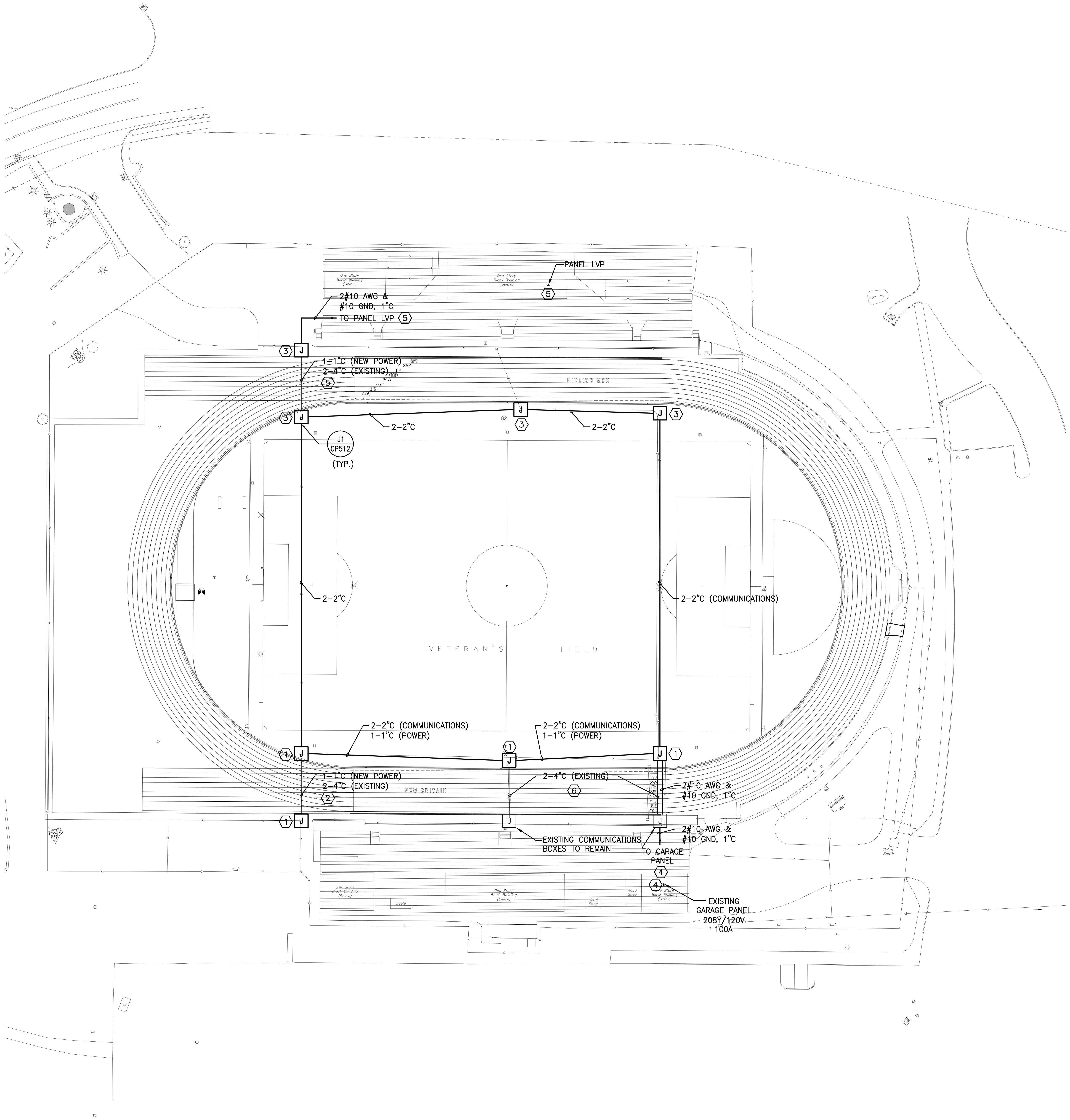
JC/DRAWN BY:	CDS
A/E OF RECORD:	DJT
CAD FILE:	ED110-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
ELECTRICAL SITE DEMOLITION PLAN

SHEET No.
ED110



A1 SITE PLAN

1" = 40'

NOTE:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:

1. NEW DUAL COMPARTMENT SYNTHETIC TURF COMMUNICATION BOX TO BE FURNISHED & INSTALLED BY SITE CONTRACTOR. INSIDE ONE COMPARTMENT OF EACH NEW COMMUNICATIONS BOX FURNISH & INSTALL A NEW "IN USE" WEATHERPROOF GFCI DUPLEX RECEPTACLE FED FROM NEW BRANCH CIRCUIT FROM GARAGE PANEL. RUN CONDUITS AS INDICATED BETWEEN NEW COMMUNICATIONS BOXES AND RUN POWER CONDUITS INTO ONE COMPARTMENT AND COMMUNICATIONS CONDUIT INTO THE SECOND COMPARTMENT.

2. THERE ARE CURRENTLY TWO EXISTING 4" COMMUNICATION CONDUITS RUNNING BETWEEN EXISTING BOXES SHOWN TO BE REMOVED ON ED110. MODIFY CONDUITS AS REQUIRED TO CONNECT TO NEW COMMUNICATION BOXES. RUN ONE ADDITIONAL 1" CONDUIT BETWEEN BOXES FOR POWER WIRING FOR DUPLEX RECEPTACLE MOUNTED INSIDE COMMUNICATIONS BOX.

3. NEW DUAL COMPARTMENT SYNTHETIC TURF COMMUNICATION BOX TO BE FURNISHED & INSTALLED BY SITE CONTRACTOR. INSIDE ONE COMPARTMENT OF EACH NEW COMMUNICATIONS BOX FURNISH & INSTALL A NEW "IN USE" WEATHERPROOF GFCI DUPLEX RECEPTACLE FED FROM NEW BRANCH CIRCUIT FROM PANELBOARD LVP. RUN CONDUITS AS INDICATED BETWEEN NEW COMMUNICATIONS BOXES AND RUN POWER CONDUITS INTO ONE COMPARTMENT AND COMMUNICATIONS CONDUIT INTO THE SECOND COMPARTMENT.

4. IN EXISTING PANELBOARD GARAGE PANEL FURNISH & INSTALL A NEW 20 AMP, SINGLE POLE CIRCUIT BREAKER TO FEED NEW GFCI RECEPTACLES IN ALL FOUR NEW COMMUNICATIONS BOXES. FIELD COORDINATE EXACT ROUTING OF CONDUIT FROM PANELBOARD TO EXISTING COMMUNICATIONS BOX. ALL WIRING FOR RECEPTACLES TO BE 2#10 AWG & #10 GND. FROM NEW BOX ON INSIDE OF TRACK TO EXISTING BOX UTILIZE EXISTING CONDUITS TO RUN NEW WIRING.

5. IN EXISTING PANELBOARD LVP FURNISH & INSTALL A NEW 20 AMP, SINGLE POLE CIRCUIT BREAKER TO FEED NEW GFCI RECEPTACLES IN ALL FOUR NEW COMMUNICATIONS BOXES. FIELD COORDINATE EXACT ROUTING OF CONDUIT FROM PANELBOARD TO NEW COMMUNICATIONS BOX. ALL WIRING FOR RECEPTACLES TO BE #10 AWG.

6. THERE ARE CURRENTLY TWO EXISTING 4" COMMUNICATION CONDUITS RUNNING BETWEEN EXISTING BOX AND ONE THAT IS SHOWN TO BE REMOVED ON ED110. MODIFY CONDUITS AS REQUIRED TO CONNECT TO NEW COMMUNICATION BOX.

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JC/DRAWN BY:	CDS
A/E OF RECORD:	DJT
CAD FILE:	ES110-13096-02
PROJECT NO:	13096
DATE:	11-25-13

SHEET TITLE:
ELECTRICAL
SITE PLAN

SHEET No.
ES110