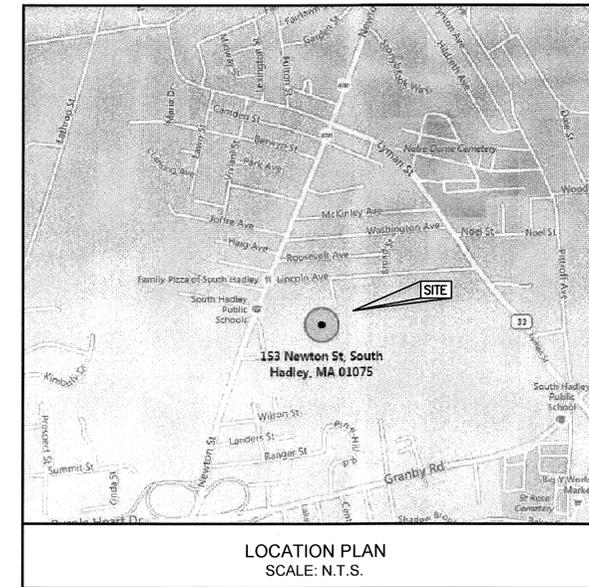


SOUTH HADLEY HIGH SCHOOL ATHLETIC FIELD RENOVATIONS SOUTH HADLEY, MA



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PREPARED FOR:

**SOUTH HADLEY HIGH SCHOOL
153 NEWTON STREET
SOUTH HADLEY, MA**

ENGINEER:

**GALE ASSOCIATES INC.
163 LIBBEY PARKWAY
WEYMOUTH, MA 02189
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DRAWING NUMBER	DRAWING DESCRIPTION
CIVIL	
G001	COVER SHEET
G002	NOTES SHEET
C001	EXISTING CONDITIONS
C002	DEMOLITION AND EROSION CONTROL PLAN
C101	LAYOUT AND MATERIALS PLAN
C102	GRADING AND DRAINAGE PLAN
C501	DETAIL SHEET 1 OF 5
C502	DETAIL SHEET 2 OF 5
C503	DETAIL SHEET 3 OF 5
C504	DETAIL SHEET 4 OF 5
C505	DETAIL SHEET 5 OF 5
PRE	PRE-DEVELOPMENT WATERSHED PLAN
POST	POST DEVELOPMENT WATERSHED PLAN

PROJECT
 TRACK AND FIELD PROJECT
 SOUTH HADLEY HIGH SCHOOL
 153 NEWTON STREET
 SOUTH HADLEY, MA 01075

OWNER
 TOWN OF SOUTH HADLEY
 116 MAIN STREET
 SOUTH HADLEY, MA 01075

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	717000_G001
DESIGNED BY	PS
DRAWN BY	HAM
CHECKED BY	WJS
DATE	01/28/2016
DRAWING SCALE	

GRAPHIC SCALE

SHEET TITLE

COVER SHEET

	DRAWING NO.
	G001
PROJECT NO. 717000	

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DATE: 1/28/16

DEMOLITION NOTES:

- DEMOLITION TO COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- THE OWNER MAY OCCUPY PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT TO SELECTIVE DEMOLITION AREAS. CONDUCT SELECTIVE DEMOLITION SO THAT OWNERS'S OPERATIONS WILL NOT BE DISRUPTED. PROVIDE NOT LESS THAN 72 HOURS NOTICE TO OWNER OF ACTIVITIES (IF ANY) THAT MAY AFFECT THEIR OPERATIONS.
- SURVEY THE CONDITION OF THE SITE TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN UNDESIRABLE DAMAGE OF ANY PORTION OF ADJACENT FACILITIES DURING SELECTIVE DEMOLITION.
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, PARKING LOTS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS, FACILITIES, AND SITE IMPROVEMENTS TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
- USE WATER MIST AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS.
- REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
- DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. CONTRACTOR TO BE RESPONSIBLE FOR ANY CUTTING AND PATCHING THAT IS REQUIRED.
- PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
- DO NOT BURN DEMOLISHED MATERIALS.
- TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM, IF NOT DESIGNATED TO BE SALVAGED BY THE OWNER OR REUSED.
- IN AREAS WHERE BITUMINOUS CONCRETE IS TO BE REMOVED, THE EDGE OF ANY BITUMINOUS CONCRETE TO REMAIN MUST BE A CLEAN SAW-CUT EDGE.

EROSION CONTROL NOTES:

- THE CONTRACTOR SHALL FILE A NPDES CONSTRUCTION GENERAL PERMIT AS REQUIRED BY THE EPA AT LEAST 14 DAYS PRIOR TO GROUNDBREAKING. NPDES PERMIT AND PLANS SHALL BE KEPT ON SITE FOR REVIEW AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STATE REGULATIONS AND ALL TOWN REGULATIONS AND PERMIT CONDITIONS.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY SITE WORK OR EARTHWORK OPERATIONS, AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- STOCKPILES SHALL BE SURROUNDED ON THEIR PERIMETERS WITH STAKED SILTATION FENCES TO PREVENT AND/OR CONTROL SILTATION AND EROSION. OTHERWISE SPOIL MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND DISPOSED OF LEGALLY AND IN CONFORMANCE TO ALL TOWN REGULATIONS.
- ALL EROSION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED, CLEANED AND REPAIRED OR REPLACED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION. IN ADDITION, INSPECTION SHALL TAKE PLACE AFTER EACH RAINFALL EVENT AND BEFORE FORECASTED RAIN.
- ALL SEDIMENTS MUST BE REMOVED PRIOR TO REACHING THE EXISTING DRAINAGE SYSTEMS AND/OR ANY ENVIRONMENTAL RESOURCE AREAS.
- THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES EXTRA SILTATION FENCING FOR INSTALLATION AT THE DIRECTION OF THE ENGINEER OR THE OWNER TO MITIGATE ANY EMERGENCY CONDITION.
- THE AREA OR AREAS OF ENTRANCE AND EXIT TO AND FROM THE SITE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED OUTSIDE OF CONSTRUCTION AREA MUST BE REMOVED IMMEDIATELY.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH D.E.Q.E.'S (DEP) EROSION AND SEDIMENTATION CONTROL GUIDELINES, AUGUST 1983, THE U.S.D.A. S.C.S. EROSION AND SEDIMENT CONTROL IN SITE DEVELOPMENT, MASSACHUSETTS CONSERVATION GUIDE, SEPTEMBER 1983 AND ALL LOCAL MUNICIPAL REGULATIONS.
- EROSION CONTROL DEVICES MAY BE ADDED OR REDUCED IN THE FIELD AS DIRECTED BY THE OWNER/ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR REESTABLISHING ANY EROSION CONTROL DEVICE WHICH THEY DISTURB. THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER OF ANY DEFICIENCIES IN THE ESTABLISHED EROSION CONTROL MEASURES WHICH MAY LEAD TO UNAUTHORIZED DISCHARGE OR STORM WATER POLLUTION, SEDIMENTATION OR OTHER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO, EXCESS CONCRETE DUMPING OR CONCRETE RESIDUE, POINTS, SOLVENTS, GREASES, FUEL AND LUBE OIL, PESTICIDES, AND SOLID WASTE MATERIALS.

GRADING NOTES

- ALL PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.
- GRADING SHALL BE PERFORMED TO ALLOW WATER TO FLOW AWAY FROM BUILDING STRUCTURES, AND TO NOT ALLOW PUDDLING OF WATER ANYWHERE ON SITE.
- MINOR ADJUSTMENTS TO FINISH GRADE TO ACCOMPLISH DRAINAGE FLOW ARE ACCEPTABLE, IF NECESSARY, UPON PRIOR APPROVAL OF ENGINEER.
- NEW PAVEMENT SHALL BE FLUSH AT ANY JUNCTURE WITH EXISTING PAVEMENT.
- ALL EXCAVATIONS SHOULD BE STABILIZED BY CUTTING BACK SIDESLOPES OR USING SHORING AND BRACING AS REQUIRED. ALL EXCAVATION AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA STANDARDS AND MGL CH. 149 SECT. 129A.
- ANY DEWATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCHARGE OF SILTY OR OTHERWISE "DIRTY" WATER INTO DRAINAGE SYSTEM OR ANY BODY OF WATER, WETLAND OR RESOURCE AREA SHALL NOT BE PERMITTED.

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK. ALL EXISTING CONTROL POINTS AND BENCHMARKS HAVE BEEN PROVIDED ON THE EXISTING CONDITIONS PLANS. ANY ADDITIONAL CONTROL POINTS SHALL BE ESTABLISHED AND MAINTAINED BY THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, AND TOWN STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE TOWN STANDARDS AND REGULATIONS FOR USE ON THIS PROJECT.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY THE ENGINEER AND ANY/ALL PERMITTING AUTHORITIES.
- BARRICADING, TRAFFIC CONTROL, AND PROJECT SIGNS SHALL CONFORM TO ALL STATE, LOCAL REGULATIONS. AREA ADJACENT TO THE PROJECT SITE WILL BE IN USE DURING CONSTRUCTION AT VARIOUS TIMES. THE CONTRACTOR WILL PROVIDE ADEQUATE CONSTRUCTION FENCING DURING EACH PHASE OF THE PROJECT TO FULLY SECURE THE PROPOSED SITE SUBJECT TO OWNER APPROVAL. THE FENCING MAY NEED ADJUSTMENT AT VARIOUS TIMES WITHOUT CONTRACT MODIFICATION.
- THE GENERAL CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- DURING CONSTRUCTION, ANY INTERPRETATION OF THE SPECIFICATIONS AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER MUST BE APPROVED BY THE ENGINEER BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND/OR CONNECTION FEES REQUIRED.
- GENERAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AS APPLICABLE INCLUDING BUT NOT LIMITED TO ELECTRICAL, LIGHTING, AND GAS. THE CONTRACTOR ACKNOWLEDGES THAT IF ANOTHER CONTRACTOR IS WORKING AT THE SITE UNDER A SEPARATE CONTRACT, THE CONTRACTOR WILL COORDINATE HIS EFFORTS IN GOOD FAITH, AND WORK IN HARMONY WITH THE OTHER CONTRACTOR. NO EXTRA WILL BE AWARDED DUE TO CONFLICTS BETWEEN CONTRACTORS.
- SUBSTITUTIONS AND APPROVAL OF "OR-EQUAL" PRODUCTS IN PLACE OF THOSE SPECIFIED WILL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER OR ENGINEER.

GENERAL UTILITY NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORD PLANS AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
- TRENCH EXCAVATIONS 5 FEET OR MORE IN DEPTH SHALL BE IN ACCORDANCE WITH ALL PROVISIONS OF OSHA PART 1926, SUBPART P - 'EXCAVATIONS, TRENCHES AND SHORING OF THE OCCUPATIONAL SAFETY AND HEALTH'S STANDARDS AND INTERPRETATIONS'. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFORM TO THE ABOVE PROVISIONS AND PROVIDE NECESSARY TRENCH SAFETY PLANS TO THE ENGINEER AND CITY FOR REVIEW PRIOR TO COMMENCING CONSTRUCTION.
- ALL DRAIN, WATER AND SANITARY SEWER PIPES INSTALLED WITHIN 10 FEET OF THE BUILDING (BY OTHERS) MUST BE PERMITTED AND INSTALLED BY A MASSACHUSETTS LICENSED PLUMBER.
- CONTRACTOR SHALL VERIFY ALL EXISTING INVERTS AND RIM ELEVATIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL UTILITY CASTINGS TO BE FLUSH WITH PROPOSED GRADE UNLESS OTHERWISE INDICATED ON PLAN.
- THE CONTRACTOR SHALL FIELD COORDINATE WITH THE ELECTRICAL ENGINEER TO DETERMINE EXACT POINT OF SERVICE CONNECTION. REFER TO THE SITE ELECTRICAL DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
- CONTRACTOR SHALL PARGE LIFTING HOLES ON ALL CONCRETE STRUCTURES.



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PROJECT
TRACK AND FIELD PROJECT
SOUTH HADLEY HIGH SCHOOL
153 NEWTON STREET
SOUTH HADLEY, MA 01075

OWNER
TOWN OF SOUTH HADLEY
116 MAIN STREET
SOUTH HADLEY, MA 01075

REVISIONS

NO.	DATE	DESCRIPTION

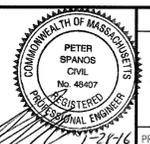
CADD FILE	717000_G001
DESIGNED BY	PS
DRAWN BY	
CHECKED BY	WJS
DATE	01/28/2016
DRAWING SCALE	

GRAPHIC SCALE

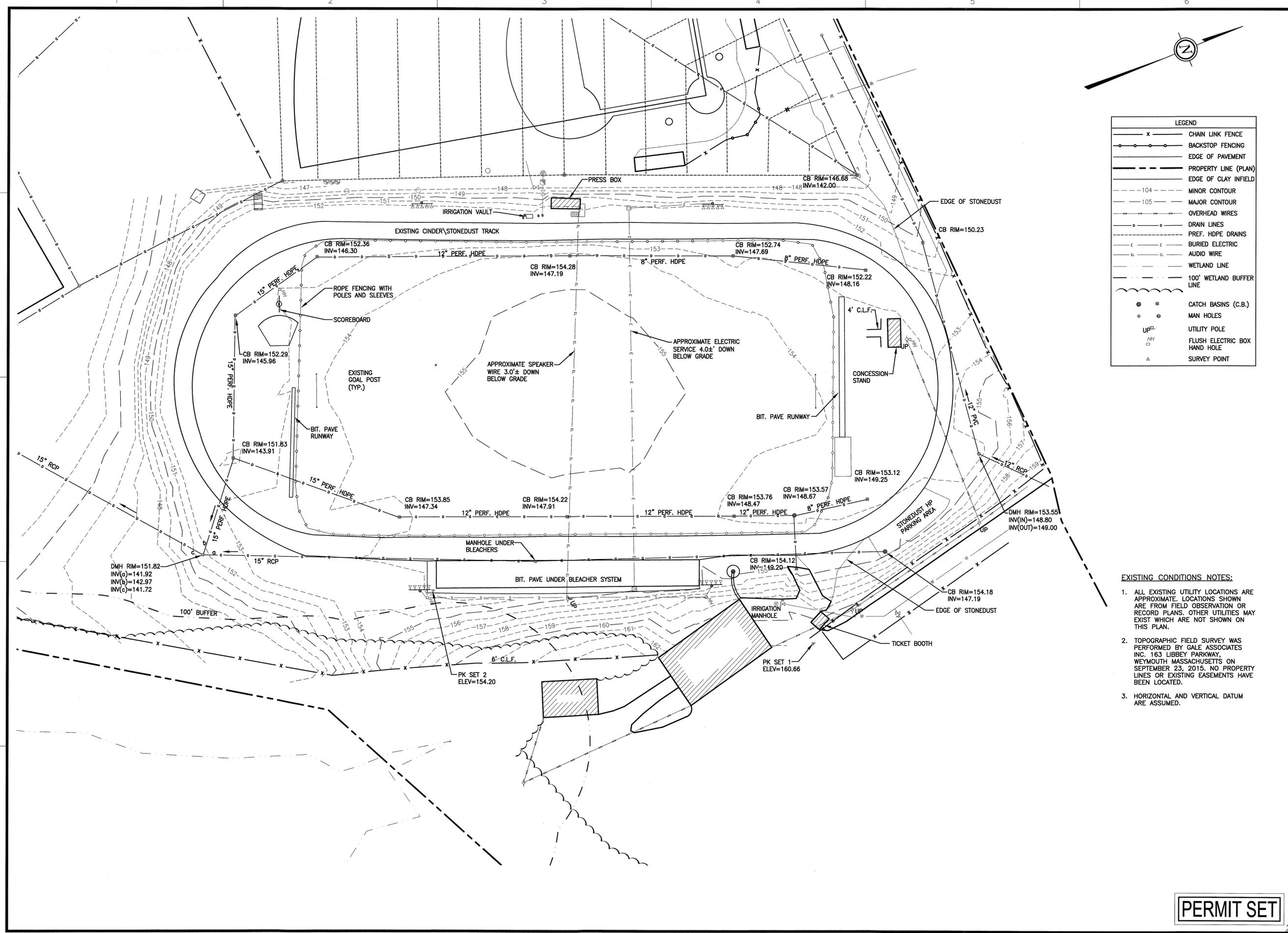
SHEET TITLE

NOTES SHEET

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G002
PROJECT NO. 717000



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LEGEND	
-x-	CHAIN LINK FENCE
-o-o-	BACKSTOP FENCING
-o-o-	EDGE OF PAVEMENT
-o-o-	PROPERTY LINE (PLAN)
-o-o-	EDGE OF CLAY INFILL
-104-	MINOR CONTOUR
-105-	MAJOR CONTOUR
-o-o-	OVERHEAD WIRES
-o-o-	DRAIN LINES
-o-o-	PREF. HDPE DRAINS
-o-o-	BURIED ELECTRIC
-o-o-	AUDIO WIRE
-o-o-	WETLAND LINE
-o-o-	100' WETLAND BUFFER LINE
●	CATCH BASINS (C.B.)
○	MAN HOLES
UP	UTILITY POLE
HH	FLUSH ELECTRIC BOX
□	HAND HOLE
△	SURVEY POINT

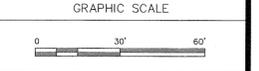
PROJECT
TRACK AND FIELD PROJECT
 SOUTH HADLEY HIGH SCHOOL
 153 NEWTON STREET
 SOUTH HADLEY, MA 01075

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REVISIONS		
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- EXISTING CONDITIONS NOTES:**
- ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE. LOCATIONS SHOWN ARE FROM FIELD OBSERVATION OR RECORD PLANS. OTHER UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS PLAN.
 - TOPOGRAPHIC FIELD SURVEY WAS PERFORMED BY GALE ASSOCIATES INC. 163 LIBBEY PARKWAY, WEYMOUTH MASSACHUSETTS ON SEPTEMBER 23, 2015. NO PROPERTY LINES OR EXISTING EASEMENTS HAVE BEEN LOCATED.
 - HORIZONTAL AND VERTICAL DATUM ARE ASSUMED.

CADD FILE	717000_C001
DESIGNED BY	PS
DRAWN BY	HAM
CHECKED BY	WJS
DATE	01/28/2016
DRAWING SCALE	1"=30'

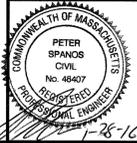


SHEET TITLE
EXISTING CONDITIONS PLAN

DRAWING NO.
C001

PROJECT NO. 717000

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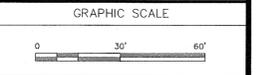
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REVISIONS		
NO.	DATE	DESCRIPTION

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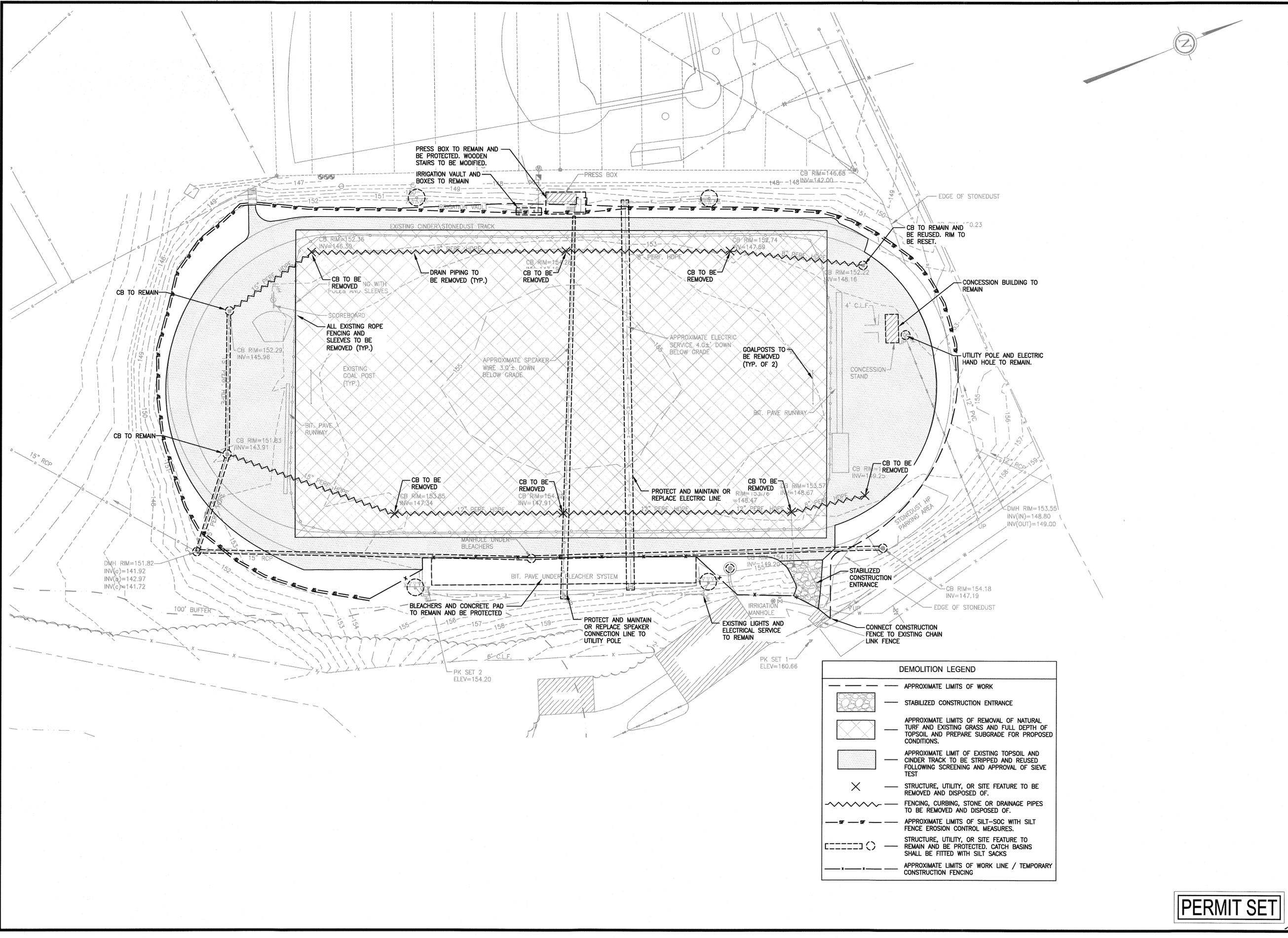


SHEET TITLE
DEMOLITION AND EROSION CONTROL PLAN

DRAWING NO.	C002
PROJECT NO.	717000



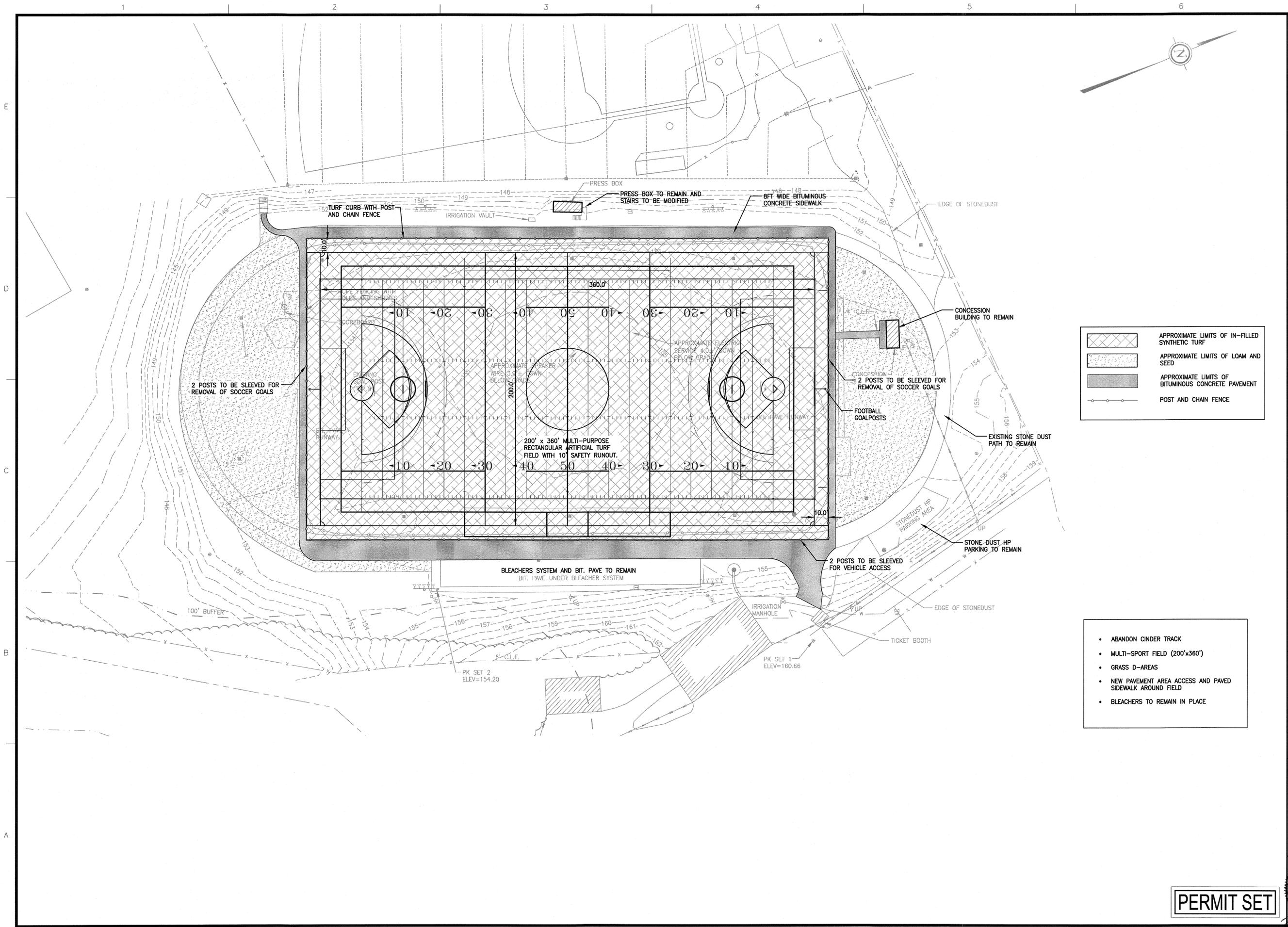
PERMIT SET



DEMOLITION LEGEND

	APPROXIMATE LIMITS OF WORK
	STABILIZED CONSTRUCTION ENTRANCE
	APPROXIMATE LIMITS OF REMOVAL OF NATURAL TURF AND EXISTING GRASS AND FULL DEPTH OF TOPSOIL AND PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
	APPROXIMATE LIMIT OF EXISTING TOPSOIL AND CINDER TRACK TO BE STRIPPED AND REUSED FOLLOWING SCREENING AND APPROVAL OF SIEVE TEST
	STRUCTURE, UTILITY, OR SITE FEATURE TO BE REMOVED AND DISPOSED OF.
	FENCING, CURBING, STONE OR DRAINAGE PIPES TO BE REMOVED AND DISPOSED OF.
	APPROXIMATE LIMITS OF SILT-SOC WITH SILT FENCE EROSION CONTROL MEASURES.
	STRUCTURE, UTILITY, OR SITE FEATURE TO REMAIN AND BE PROTECTED. CATCH BASINS SHALL BE FITTED WITH SILT SACKS
	APPROXIMATE LIMITS OF WORK LINE / TEMPORARY CONSTRUCTION FENCING

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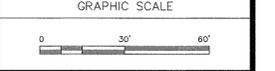
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	APPROXIMATE LIMITS OF IN-FILLED SYNTHETIC TURF
	APPROXIMATE LIMITS OF LOAM AND SEED
	APPROXIMATE LIMITS OF BITUMINOUS CONCRETE PAVEMENT
	POST AND CHAIN FENCE

- ABANDON CINDER TRACK
- MULTI-SPORT FIELD (200'x360')
- GRASS D-AREAS
- NEW PAVEMENT AREA ACCESS AND PAVED SIDEWALK AROUND FIELD
- BLEACHERS TO REMAIN IN PLACE

REVISIONS		
NO.	DATE	DESCRIPTION

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DATE	01/28/2016
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SHEET TITLE
LAYOUT AND MATERIALS PLAN

	DRAWING NO.
	C101
PROJECT NO. 717000	

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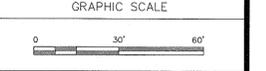
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REVISIONS		
NO.	DATE	DESCRIPTION

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DATE	01/28/2016
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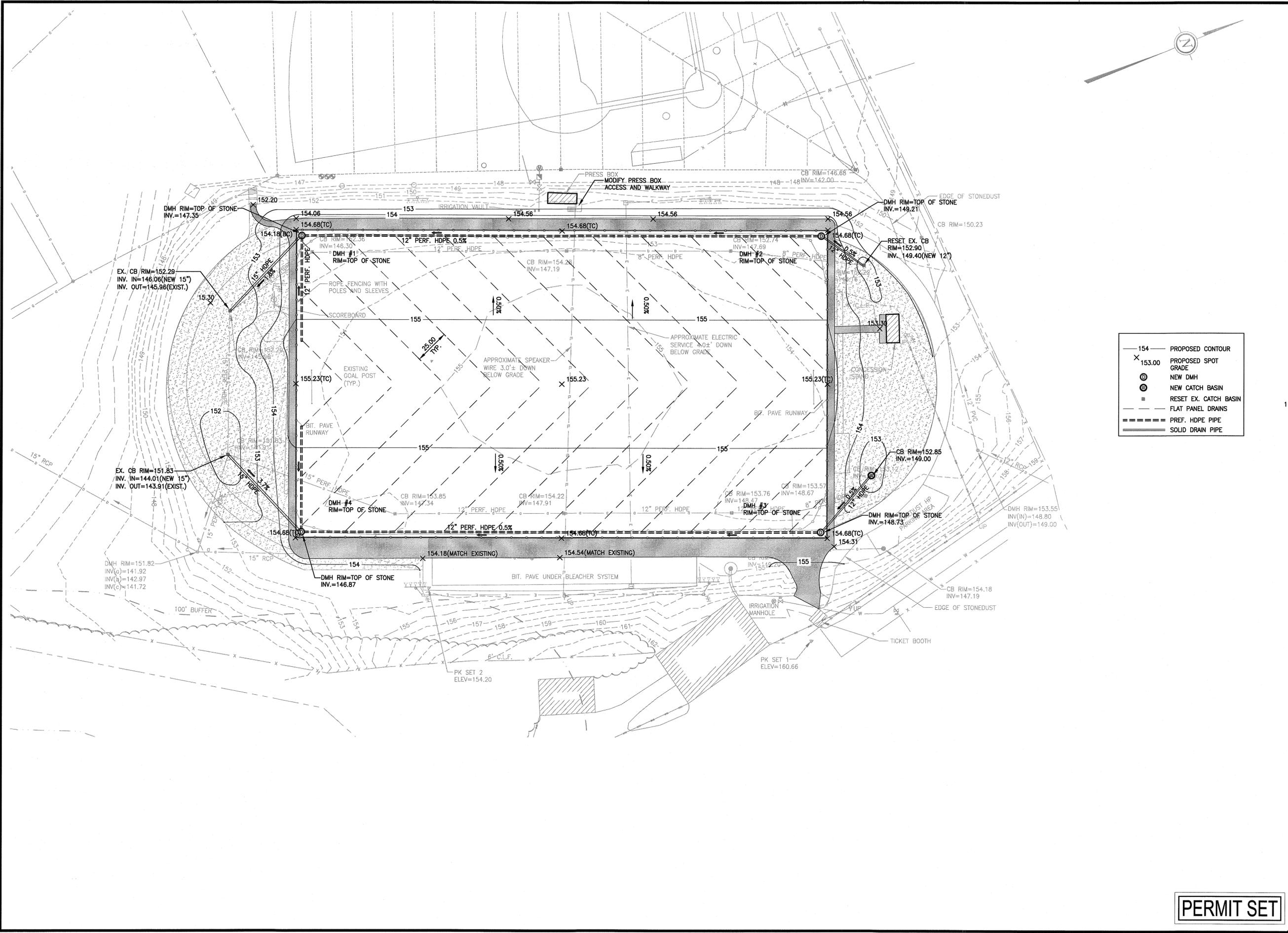


SHEET TITLE
GRADING AND DRAINAGE PLAN

DRAWING NO.
C102

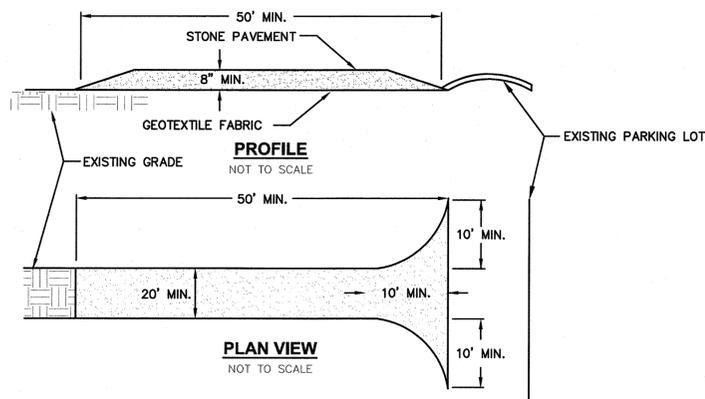
PROJECT NO. 717000

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154	PROPOSED CONTOUR
X	PROPOSED SPOT GRADE
⊙	NEW DMH
⊞	NEW CATCH BASIN
⊞	RESET EX. CATCH BASIN
---	FLAT PANEL DRAINS
---	PREF. HDPE PIPE
---	SOLID DRAIN PIPE

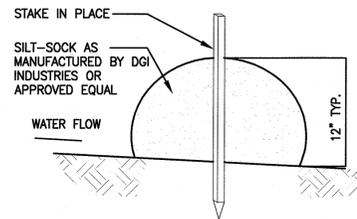
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NOTES:

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN (8) INCHES.
4. WIDTH - TWENTY (20) MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. GEOTEXTILE FABRIC SHALL BE MIRIFI 500X WOVEN FABRIC OR APPROVED EQUAL.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

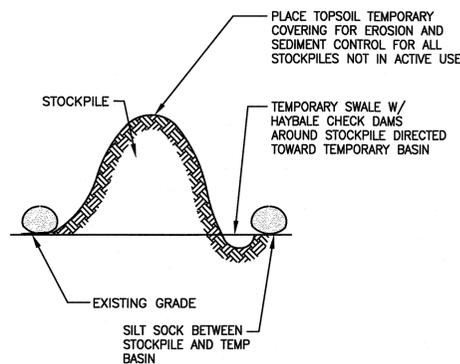
1 STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



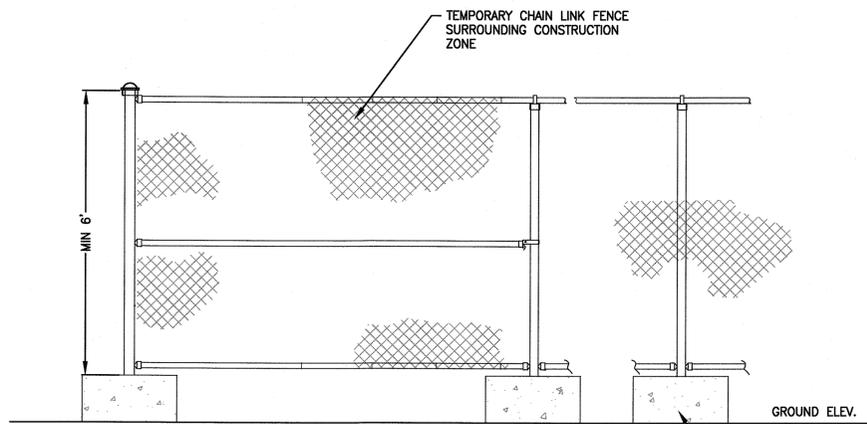
NOTES:

1. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
2. WHERE THE BERM REQUIRES REPAIR, IT SHALL BE ROUTINELY REPAIRED.
3. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM, OR AS DIRECTED BY THE ENGINEER.

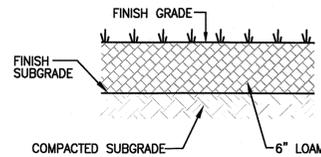
4 SILT SOCK EROSION CONTROL DETAIL
N.T.S.



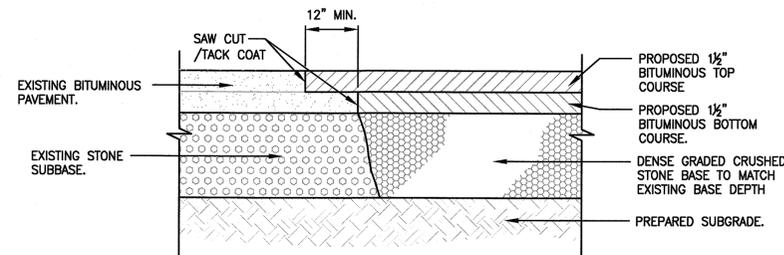
5 MATERIAL STOCKPILE AREA
N.T.S.



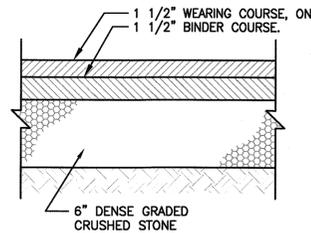
2 TEMPORARY CONSTRUCTION FENCE DETAIL
N.T.S.



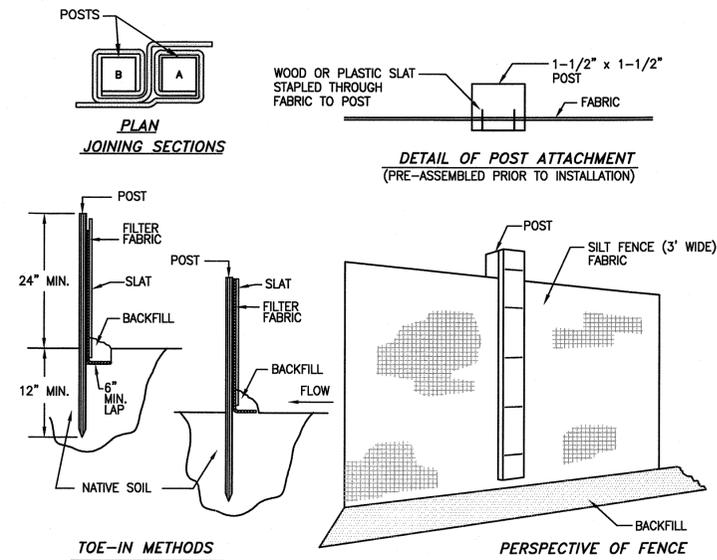
6 LOAM AND SEED (DISTURBED AREAS)
N.T.S.



7 PAVEMENT JOINTING DETAIL
N.T.S.



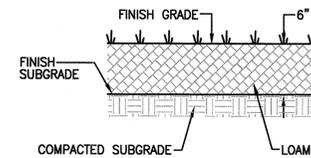
8 BITUMINOUS CONCRETE SIDEWALK
N.T.S.



NOTES:

1. EXCAVATE A 6"x6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
2. UNROLL SILTATION FENCE AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM FLOW DIRECTION).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
4. LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING FABRIC FLAP ON UNDISTURBED GROUND AND PILING & TAMPING FILL AT THE BASE.

3 SILTATION FENCE DETAIL
N.T.S.



9 LOAM AND SEED (DISTURBED AREAS)
N.T.S.



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PROJECT
TRACK AND FIELD PROJECT
SOUTH HADLEY HIGH SCHOOL
153 NEWTON STREET
SOUTH HADLEY, MA 01075

OWNER
TOWN OF SOUTH HADLEY
116 MAIN STREET
SOUTH HADLEY, MA 01075

REVISIONS

NO.	DATE	DESCRIPTION

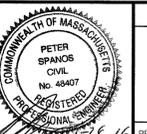
CADD FILE	716990_C501
DESIGNED BY	PS
DRAWN BY	HAM
CHECKED BY	WJS
DATE	01/28/2016
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE

DETAIL SHEET

PERMIT SET

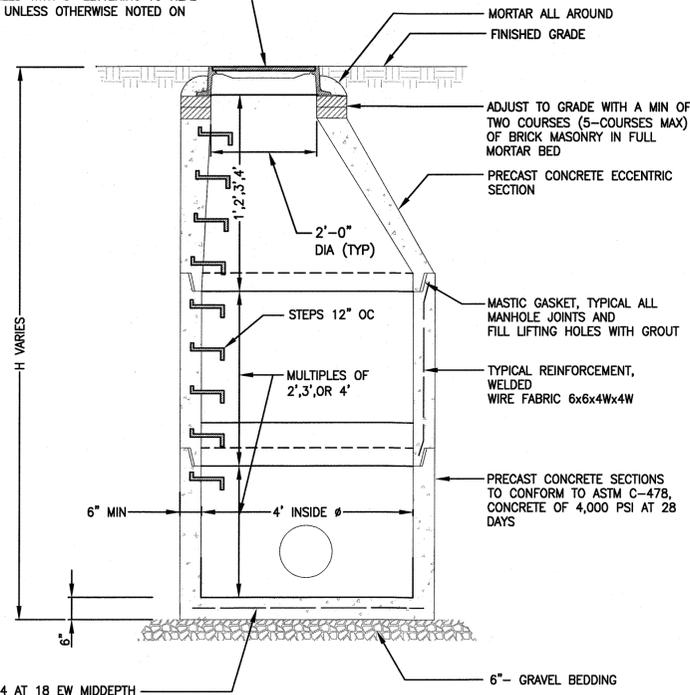


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C501

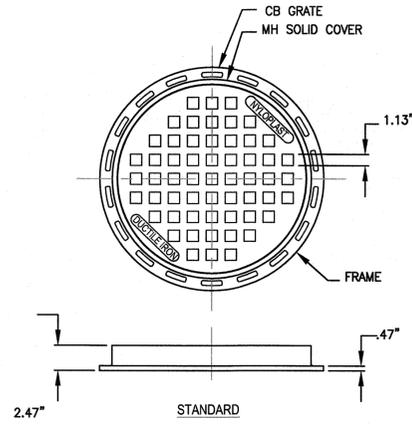
PROJECT NO. 717000

EAST JORDAN IRON WORKS OR APPROVED EQUAL SET IN MORTAR SET ON TOP OF PRECAST GRADE RING OR BRICK MASONRY AND SEALED WITH 3" LETTERING TO READ "DRAIN". UNLESS OTHERWISE NOTED ON PLANS.



1 DRAIN MANHOLE DETAIL

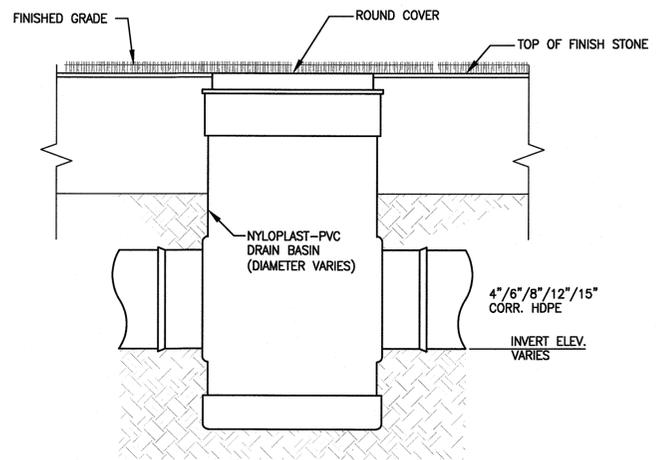
- N.T.S.
- NOTES:
1. FOR MANHOLES WITH DIAMETERS GREATER THAN 4' THE WALL AND BASE THICKNESS SHALL BE PER PRECAST MANUFACTURER'S STANDARD STRUCTURE FOR THE INDICATED DIAMETER. IN ADDITION THE MANUFACTURER'S STANDARD REDUCER SECTION FOR EACH DIAMETER SHALL BE USED WHERE REQUIRED TO MEET 4' DIAMETER ECCENTRIC CONE.
 2. PROVIDE RESILIENT CONNECTOR WHERE PIPE ENTERS MANHOLE.
 3. DESIGN LIVE LOAD HS20-44.
 4. WATERTIGHT DRAIN MANHOLE COVERS SHALL BE SUPPLIED WHERE NOTED ON THE PLANS. COVERS SHALL BE LeBARON MODEL No. LBW268 WITH LSW 268A INNER COVER AND LSW 268B LOCKING BAR.



2 NYLOPLAST MH/CB COVER

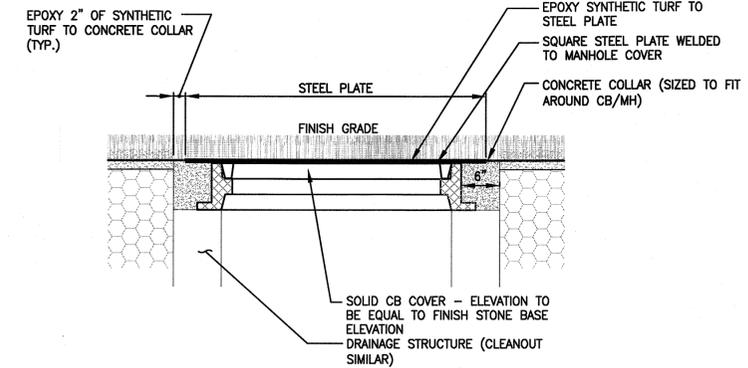
N.T.S.

- NOTES:
1. STANDARD MANHOLE SOLID COVER HAS H-25 HEAVY DUTY RATING
 2. STANDARD CATCH BASIN GRATE HAS H-25 HEAVY DUTY RATING
 3. QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
 4. MATERIAL: DUCTILE IRON
 5. PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
 6. LOCKING DEVICE 5/16-18 ZINC GOLD HEX BOLT 1" LG USE 1/2" SOCKET TO REMOVE, 2 PLACES



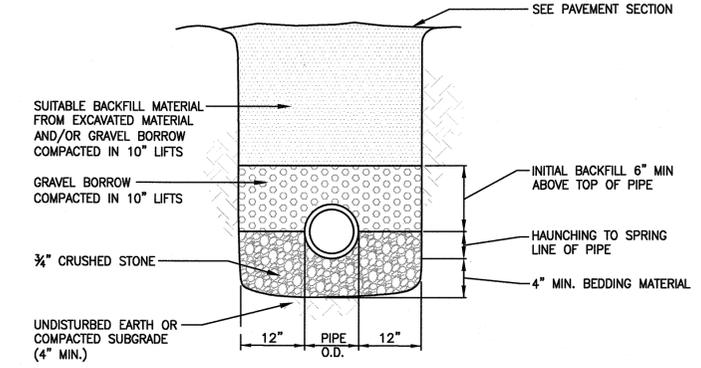
4 PVC (NYLOPLAST) DRAIN MANHOLE OR CATCH BASIN

N.T.S.



3 TYPICAL DMH COVER IN SYNTHETIC TURF AREA

N.T.S.



5 NON-PERFORATED HDPE TRENCH DETAIL (UP TO 24" DIA)

N.T.S.

NOTE: CONTRACTOR SHALL PROVIDE SHEETING, TRENCH BOX OR SLOPED WALLS IN ACCORDANCE WITH APPLICABLE SAFETY REGULATIONS



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CADD FILE	716990_C501
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DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE

DETAIL SHEET

PERMIT SET



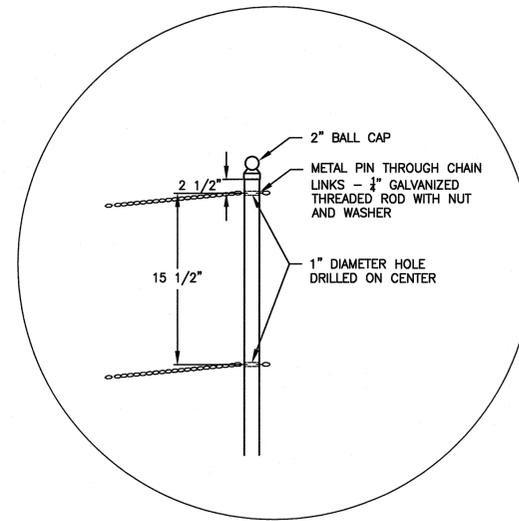
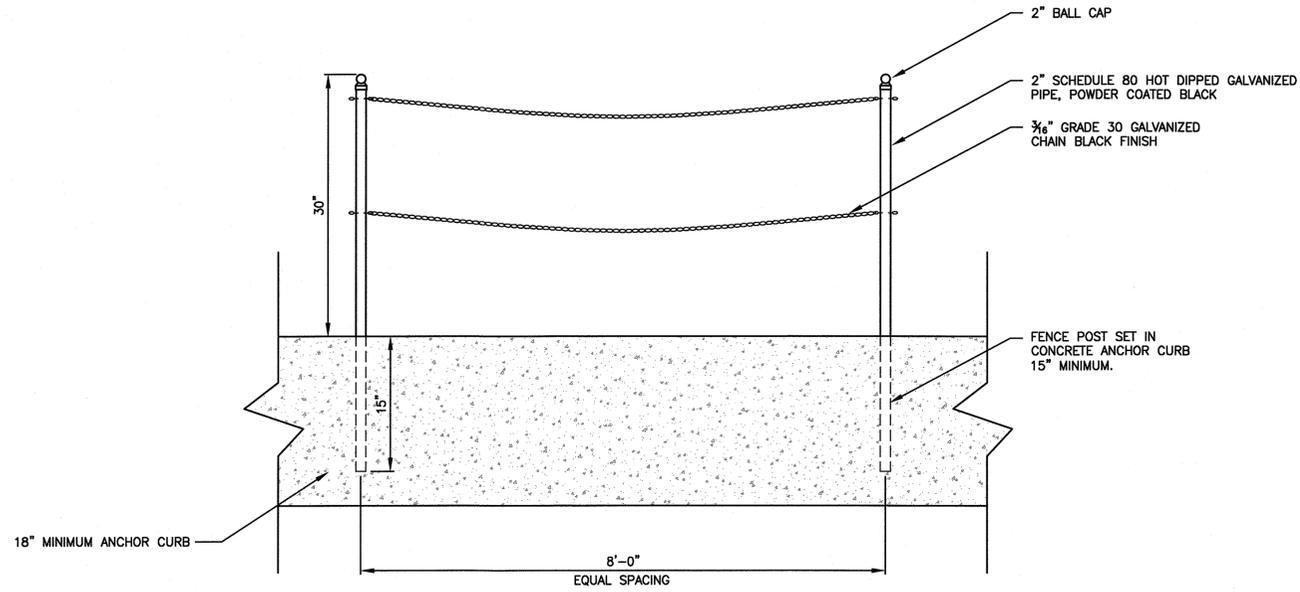
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C502

PROJECT NO. 717000

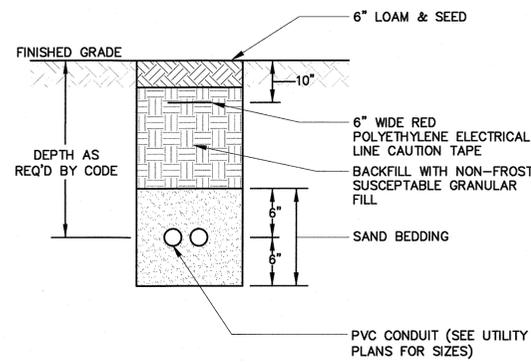


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1 POST AND CHAIN FENCE (ALT #1)
 N.T.S.



2 ELECTRICAL TRENCH DETAIL
 N.T.S.

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DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE
DETAIL SHEET

DRAWING NO.
C504

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PERMIT SET



1-28-16



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CHECKED BY	WJS
DATE	01/28/2016
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE

DETAIL SHEET

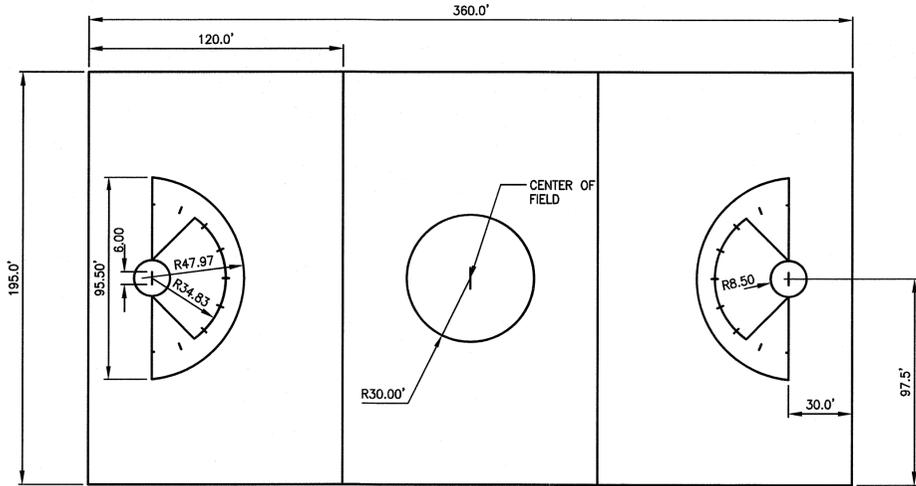


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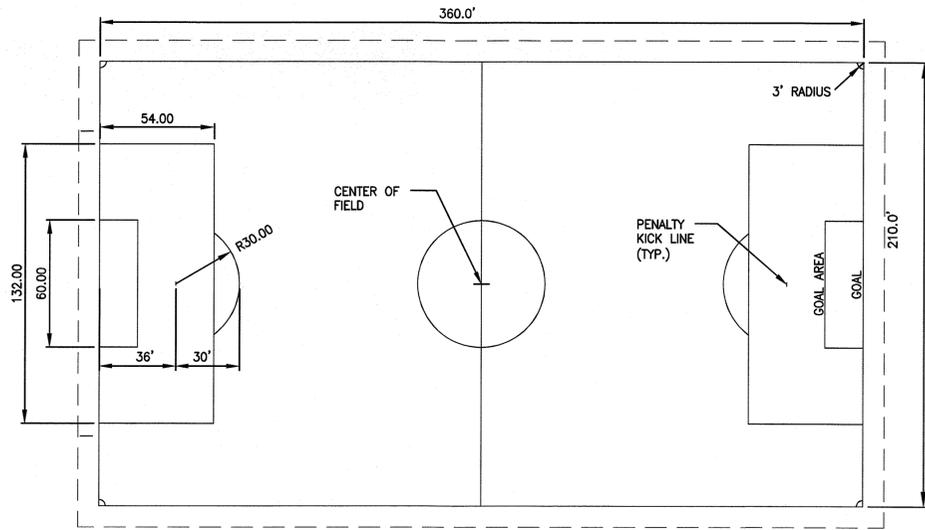
PERMIT SET



- NOTE:
1. TICK MARKS TO BE INSTALLED PER OWNER DIRECTION.
 2. TO BE PAINTED RED.

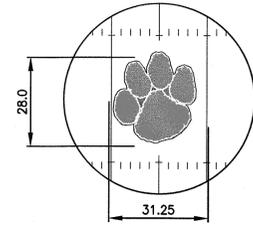
WOMEN'S LACROSSE STRIPING DETAIL

N.T.S.



SOCCER STRIPING DETAIL (TUFTED YELLOW)

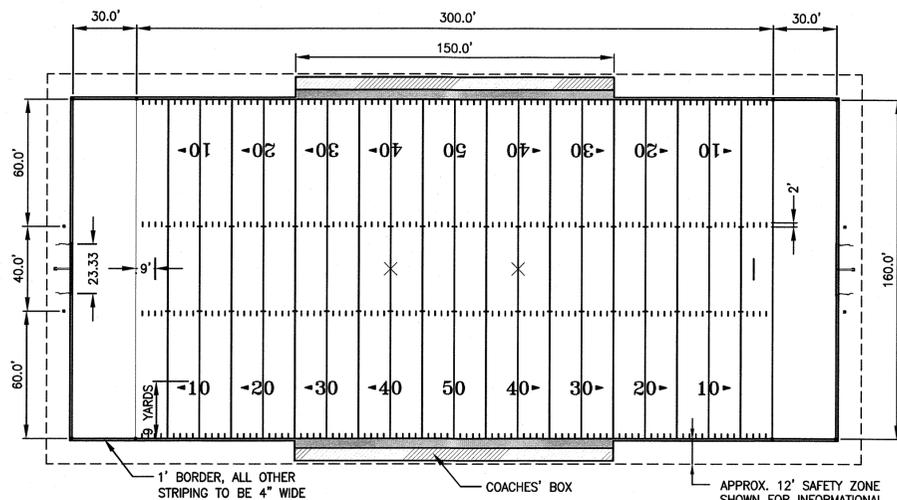
N.T.S.



MID-FIELD LOGO - ALTERNATE

N.T.S.

FINAL COLORS TO BE APPROVED BY THE OWNER (TOTAL 3 COLORS)



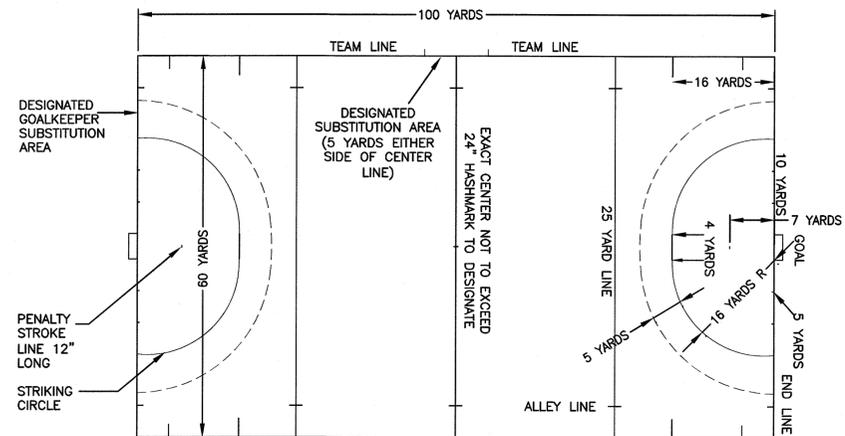
- NOTE:
1. NUMERALS AND HASH MARKS TO BE TUFTED AND CUT-IN.
 2. COACHES BOXES TO BE PAINTED

FOOTBALL STRIPING DETAIL (TUFTED WHITE)

N.T.S.

NOTE:

CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL A FULL COLOR FIELD MARKING SHOP DRAWING FOR OWNER APPROVAL PRIOR TO FABRICATION.



- NOTE:
1. TICK MARKS TO BE INSTALLED PER OWNER DIRECTION.
 2. TO BE PAINTED BLACK.

FIELD HOCKEY STRIPING DETAIL

N.T.S.



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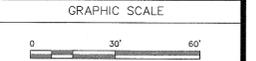
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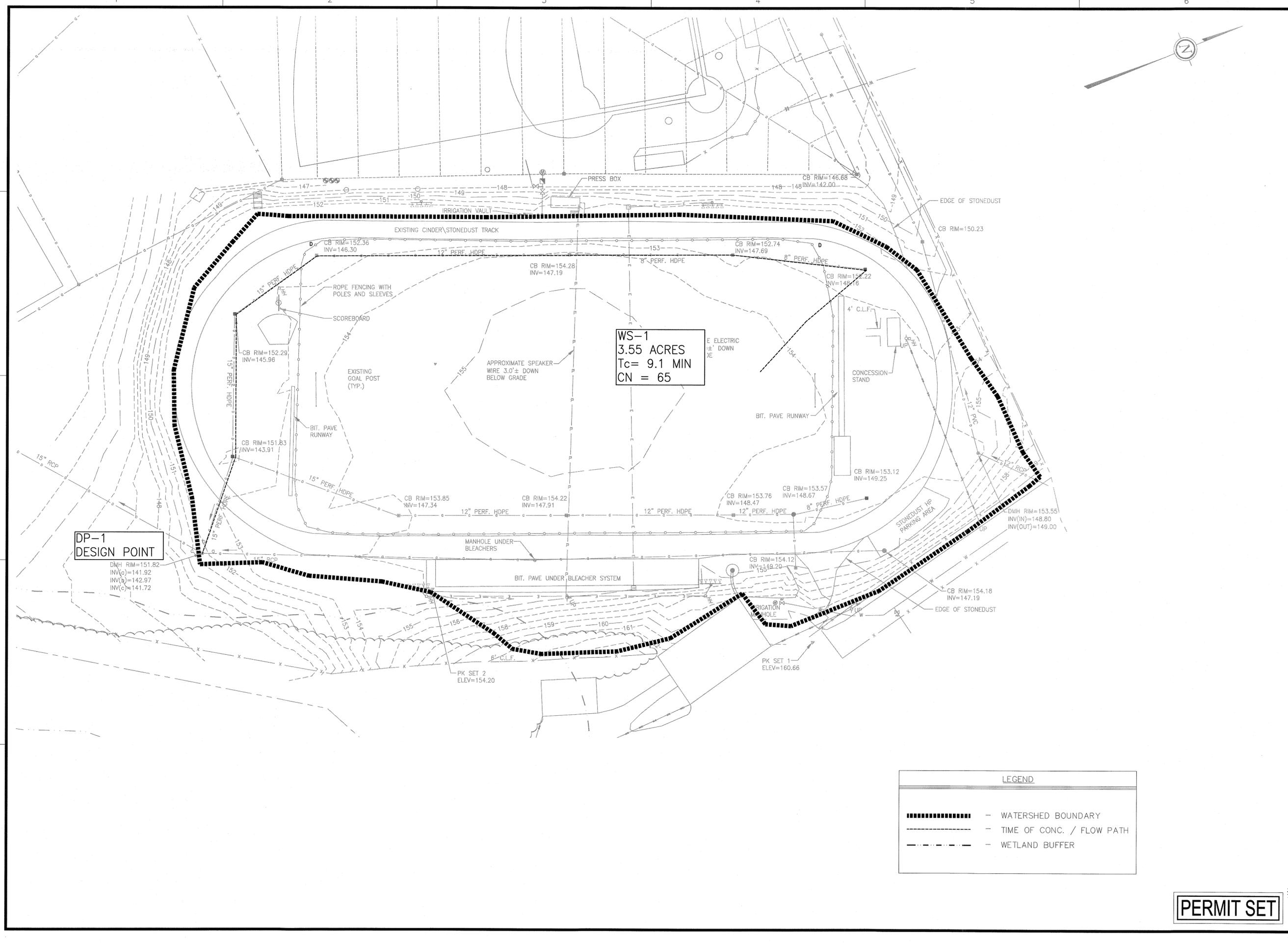
CADD FILE	717000_PRE
DESIGNED BY	PS
DRAWN BY	HAM
CHECKED BY	WJS
DATE	01/28/2016
DRAWING SCALE	1"=30'



SHEET TITLE
PRE DEVELOPMENT WATERSHED PLAN

DRAWING NO.
PRE

PROJECT NO. 717000



LEGEND

- WATERSHED BOUNDARY
- TIME OF CONC. / FLOW PATH
- WETLAND BUFFER

PERMIT SET



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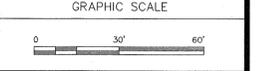
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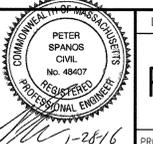
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CHECKED BY	WJS
DATE	01/28/2016
DRAWING SCALE	1"=30'



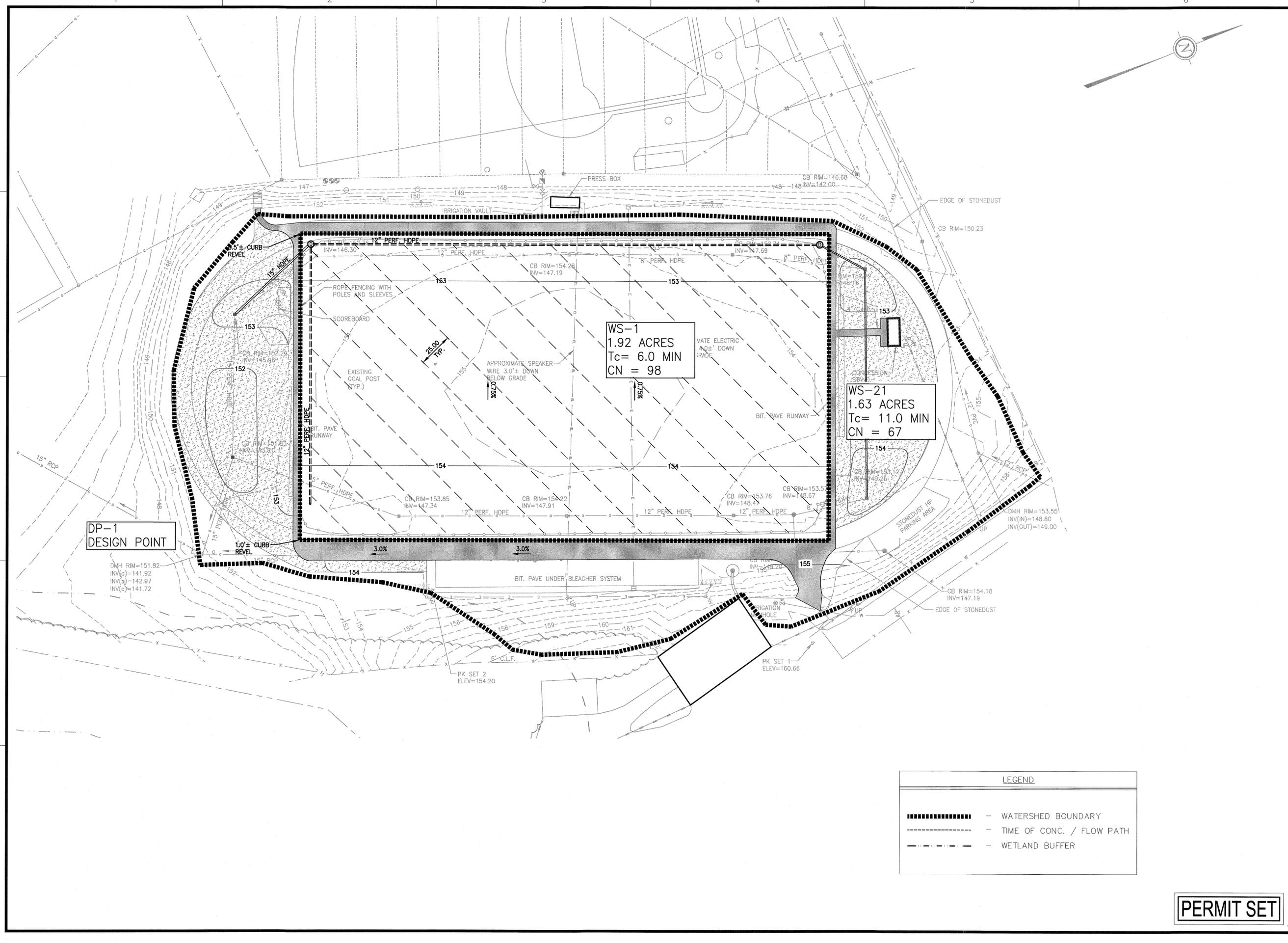
SHEET TITLE
POST DEVELOPMENT WATERSHED PLAN

DRAWING NO.
POST

PROJECT NO. 717000



PERMIT SET



LEGEND	
	WATERSHED BOUNDARY
	TIME OF CONC. / FLOW PATH
	WETLAND BUFFER

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