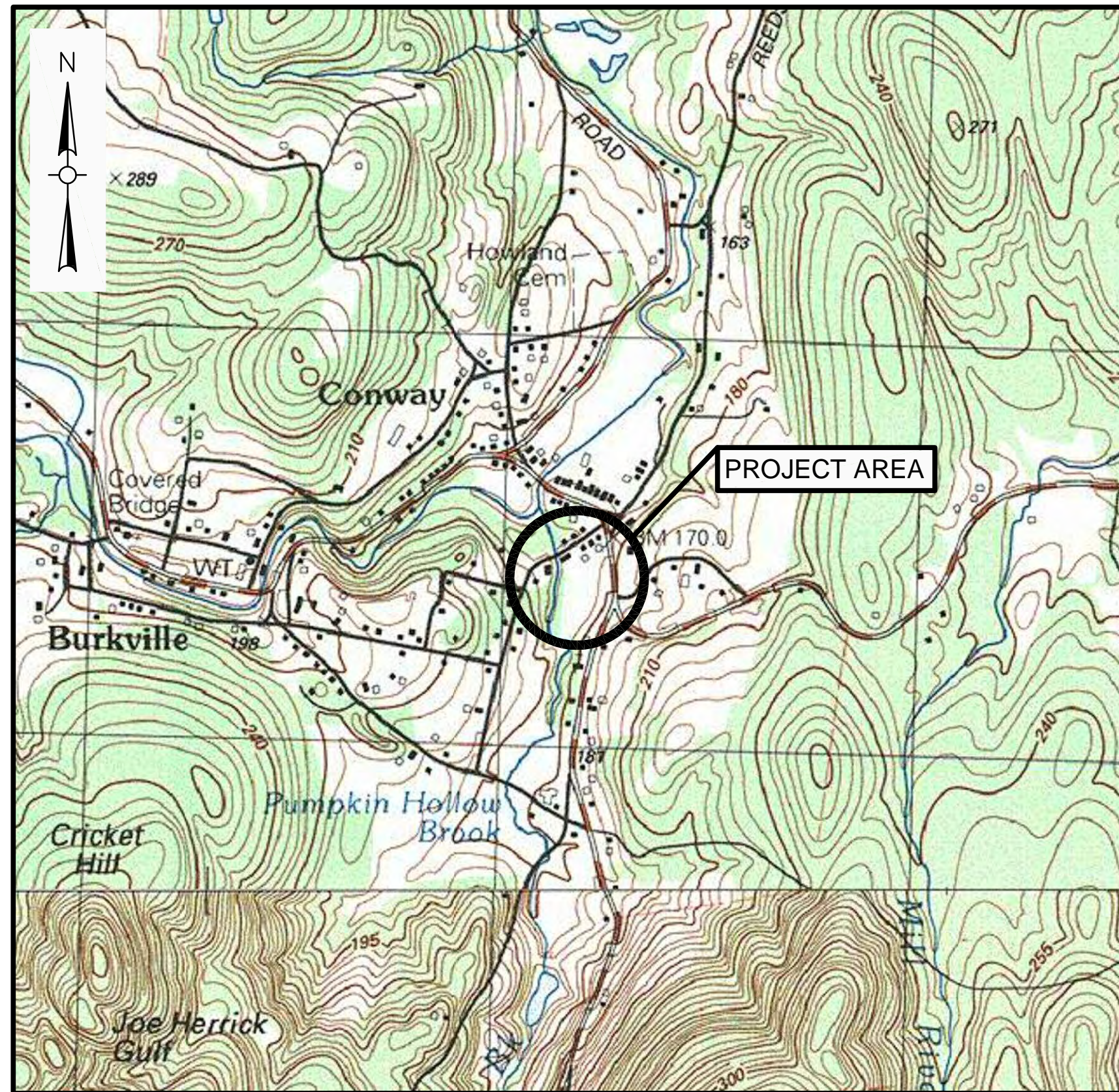


# TOWN OF CONWAY, MASSACHUSETTS

## BOARD OF SELECTMEN

### CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT

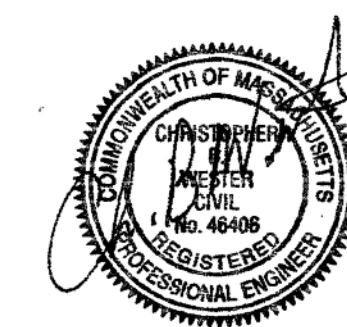
## MAY 2014



LOCATION MAP  
SCALE: 1"=1000'

#### DRAWING INDEX

SHEET NO.	DRAWING NO.	TITLE
1	--	COVER
2	G-1	ABBREVIATIONS, NOTES, AND LEGEND
3	C-1	EXISTING CONDITIONS AND DEMOLITION PLAN
4	C-2	PROPOSED SITE PLAN
5	C-3	PROPOSED DRAINAGE PLAN
6	C-4	PROPOSED GRADING PLAN
7	C-5	SURFACE RESTORATION AND GRADING PLAN
8	C-6	DETAILS
9	C-7	DETAILS
10	C-8	DETAILS
11	C-9	DETAILS
12	C-10	DETAILS
13	C-11	DETAILS
14	C-12	TENNIS/BASKETBALL COURT, PLAYGROUND AND PARKING LOT DIMENSIONS
15	C-13	PLAYING FIELD DIMENSIONS AND DRAINAGE DETAILS
16	C-14	SOIL EROSION AND SEDIMENT CONTROL NOTES
17	C-15	SOIL EROSION AND SEDIMENT CONTROL PLAN
18	C-16	SOIL EROSION AND SEDIMENT CONTROL DETAILS
19	T-1	CONSTRUCTION ZONE SAFETY PLAN
20	E-1	ELECTRICAL PLAN



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# LEGEND

DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER		—8"S PVC—
FORCE MAIN		
WATER MAIN		—6"W DI—
UNDERDRAIN		
STORM DRAIN		—18"D RCP—
GAS		—4"G—
ELECTRIC		—E—
TELEPHONE		—T—
HOUSE CONNECTION		6" HOUSE CONN (TYP)
GRINDER PUMP	⊙ GP	● GP
SANITARY SEWER MANHOLE	⊙	● SMH
STORM DRAIN MANHOLE	⊙	● DMH
ELECTRICAL MANHOLE	⊙	● EMH
TELEPHONE MANHOLE	⊙	● TMH
AIR RELEASE VALVE MANHOLE	⊙	● ARMH
FORCE MAIN CLEANOUT MANHOLE	⊙	● FMMH
CLEANOUT	⊙	● CO
CATCH BASIN		■ CB
CATCH BASIN (CURB INLET)		
HYDRANT	⊙	⊙
TEMPORARY HYDRANT		⊙
GATE VALVE	⊙	⊙
CHECK VALVE	⊙	⊙
CURB STOP	⊙	⊙
BUTTERFLY VALVE	⊙	⊙
BALL VALVE	⊙	⊙
REDUCER	⊙	⊙
CAP OR PLUG	⊙	⊙
GAS GATE VALVE	⊙	⊙
UTILITY POLE	⊙	⊙
GUY POLE	⊙	⊙
LIGHT POST	⊙	⊙
EDGE OF PAVEMENT	— — — — —	— — — — —
EDGE OF UNPAVED ROAD	— — — — —	— — — — —
CURB	— — — — —	— — — — —
SIDEWALK	— — — — —	— — — — —
RAILROAD	— — — — —	— — — — —
STONE WALL	— — — — —	— — — — —
RETAINING WALL	RET WALL	RET WALL
FENCE	X	X
INDIVIDUAL DECIDUOUS TREE	⊙	⊙
INDIVIDUAL EVERGREEN TREE	⊙	⊙
TREE LINE	⊙	⊙
PROPERTY MARKER	□ / ○ IP	
PROPERTY LINE	— — — — —	— — — — —
EASEMENT LINE	— — — — —	— — — — —
SPOT ELEVATIONS	x 557.2	x 558.2
CONTOUR LINES	—570—	—580—
DEPRESSION CONTOUR LINES	— — — — —	— — — — —
HOUSE NUMBER	#35	
FLOOR ELEVATION	FL=56.7	
SILL ELEVATION	S=56.7	
WETLAND	— — — — —	— — — — —
WETLAND FLAGS	⊙	⊙
RIP RAP	⊙	⊙
SURVEY CONTROL POINT		● B
BOLLARD	⊙	● B
SIGN	⊙	⊙
BENCH MARK	⊙	⊙
PERCOLATION TEST	⊙	⊙
TEST PIT	⊙	⊙
BORING	⊙ B-1	
PROBE	⊙ P-1	
GROUNDWATER MONITORING WELL	⊙ WSE-1	
AUGER	⊙ A-1	
HAY BALES		⊙
ROCK OUTCROP	⊙	⊙
DRAINAGE DITCH / SWALE	— — — — —	— — — — —

NOTE: ITEMS SHOWN IN THE LEGEND MAY NOT BE PRESENT IN THESE PLANS

# ABBREVIATIONS

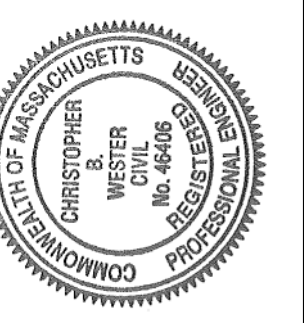
AC	ASBESTOS CEMENT PIPE
ACCOMP	ASPHALT COATED CORRUGATED METAL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BC	BITUMINOUS CONCRETE
BIT	BITUMINOUS
BLDG	BUILDING
BR	BIKE RACK
BS	BOTTOM STEP
BW	BOTTOM WALL
CATV	CABLE TELEVISION
CB	CATCH BASIN
CC	CONCRETE CURB
CI	CAST IRON
CL	CENTERLINE
CL	CEMENT LINED
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
D	STORM DRAIN, DEPTH FROM RIM TO INVERT
DI	DROP INLET, DUCTILE IRON
DIA	DIAMETER
DMH	DRAIN MANHOLE
E	EAST, ELECTRIC
EA	EACH
EL	ELEVATION
EOP	EDGE OF PAVEMENT
EW	EACH WAY
EX, EXIST	EXISTING
FP	FLAG POLE
FT	FEET, FOOT
G	NATURAL GAS
GALV	GALVANIZED
GC	GRANITE CURB
GR	GRANITE
H	HANDICAPPED PARKING SPOT
HC	HANDICAPPED PARKING SIGN
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
HYD	FIRE HYDRANT
INV	INVERT
ID	INSIDE DIAMETER
IP	IRON PIPE/PIN
LF	LINEAR FEET
LS	LUMP SUM
MAX	MAXIMUM
MB	MAIL BOX
MECH	MECHANICAL
MH	MANHOLE
MASSDOT	MASSACHUSETTS DEPT OR TRANSPORTATION
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
N	NORTH
NE	NORTH EAST
NW	NORTH WEST
NF	NOT FOUND
N.T.S.	NOT TO SCALE
#	NUMBER
OD	OUTSIDE DIAMETER
PR	PROPOSED
PT	PORTABLE TOILET PAD
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
S	SEWER, SOUTH
SB	STONE BOUND
SE	SOUTH EAST
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	SEWER SERVICE, STAINLESS STEEL
ST	STOP SIGN
STA	STATION
STL	STEEL
SW	SIDEWALK, SOUTH WEST
T	HYDROSTATIC THRUST, TELEPHONE
TBM	TEMPORARY BENCH MARK
THK	THICK (NESS)
TS	TOP STEP
TW	TOP WALL
TYP	TYPICAL
UP	UTILITY POLE
VC	VITRIFIED CLAY
VERT	VERTICAL
W	WATER, WEST

# CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL CALL DIGSAFE AT 1-888-344-7233 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
- LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
- TEST PITS TO LOCATE EXISTING UTILITIES MAY BE ORDERED BY THE ENGINEER.
- STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
- ALL PAVEMENT DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.
- ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- CONCRETE CRADLES OR ARCHES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS OR WHERE REQUIRED BY THE ENGINEER. UNLESS OTHERWISE INDICATED, CONCRETE USED FOR PIPE ANCHOR BLOCKS, BACKING, PIPE CRADLES, ARCHES, AND FILL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS.
- TRENCHES MAY BE EXCAVATED WIDER THAN THE 'LIMIT OF EXCAVATION AND PAYMENT FOR EARTH EXCAVATION' ABOVE THE 'LINE OF NARROW TRENCH LIMIT.' ANY SUCH ADDITIONAL EXCAVATION SHALL BE AT THE CONTRACTORS EXPENSE AND SHALL NOT BE MEASURED FOR PAYMENT.
- BELOW THE 'LINE OF NARROW TRENCH LIMIT' THE TRENCH SHOULD NOT BE EXCAVATED BEYOND THE TRENCH WIDTH 'W'. IF MATERIAL IS LOOSENED OR REMOVED BEYOND THE ABOVE MENTIONED LIMITS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE CRUSHED STONE FOR THE FULL WIDTH OF THE TRENCH AT NO ADDITIONAL COST TO THE OWNER.
- FOUR FOOT INSIDE DIAMETER MANHOLES SHALL BE USED WITH DRAINS LESS THAN 24 INCHES IN DIAMETER, AND FIVE FOOT INSIDE DIAMETER MANHOLES SHALL BE USED WITH DRAINS EQUAL TO OR GREATER THAN 24 INCHES IN DIAMETER, UNLESS OTHERWISE SPECIFIED.
- OPENINGS FOR PIPE IN PRECAST MANHOLE BASES SHALL BE CAST IN THE REQUIRED LOCATIONS DURING MANHOLE MANUFACTURE. FIELD CUT OPENINGS WILL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL COMPLETE ALL LAYOUTS, SURVEYS, ETC. REQUIRED FOR CONSTRUCTION OF THE PROJECT AS SHOWN AND AS SPECIFIED. LAYOUT OF FIELD COMPONENTS, PARKING LOTS AND DRAINAGE SHALL BE COMPLETED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- CALCULATION OF PIPE SLOPES IS BASED ON ELEVATION CHANGES DIVIDED BY THE DISTANCE BETWEEN THE OUTSIDE EDGES OF THE MANHOLE WALLS. FOR FOUR FOOT DIAMETER MANHOLES, THIS DISTANCE WAS CALCULATED AS THE CENTERLINE STATIONING MINUS FIVE FEET. FOR FIVE FOOT DIAMETER MANHOLES, THIS DISTANCE WAS CALCULATED AS THE CENTERLINE STATIONING MINUS SIX FEET. 'IN' INDICATES UPSTREAM END OF MANHOLE, 'OUT' INDICATES DOWNSTREAM END OF MANHOLE.
- RIM/FRAE ELEVATIONS OF PROPOSED DRAINAGE STRUCTURES SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED AS REQUIRED TO MATCH FIELD CONDITIONS.
- INLET PROTECTION SHALL BE PROVIDED ON THE EXISTING AND PROPOSED CATCH BASINS AND MAINTAINED FOR THE DURATION OF THE PROJECT.
- ALL PROPOSED PAVING SHALL MATCH GRADE AT EXISTING ROADWAY INTERSECTIONS.
- ALL STREET EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING OR COVERING WITH STEEL PLATES. EXISTING UTILITY,
- PROTECT UTILITY POLES AS REQUIRED. REMOVE AND RESET SIGNS AS REQUIRED.
- EXISTING UTILITIES, TOPOGRAPHY, EDGE OF PAVEMENT, UTILITY POLE LOCATION, TREES AND LOCATIONS OF ABOVE GROUND STRUCTURES FROM FIELD SURVEYS PERFORMED BY WESTON & SAMPSON AND SHERMAN & FRYDRYK.
- RESOURCE AREAS FLAGGED BY PIONEER ENVIRONMENTAL AND FIELD LOCATED BY SHERMAN AND FRYDRYK.
- PROPERTY LINES BASED ON SURVEY PERFORMED BY SHERMAN AND FRYDRYK.

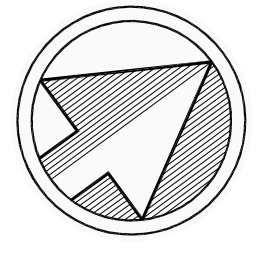
No.	Date	Dr. By	Chk. By	App. By	Description
					A P P R O V E D

REGISTERED PROFESSIONAL ENGINEER  
 DATE



TOWN OF CONWAY, MASSACHUSETTS BOARD OF SELECTMEN	CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT	SCALE: AS NOTED	FILE NO. CONWAY FIELD	CADD NO. 2120504	JOB NO. 2120504	DR. BY: WGS	CHK. BY: WGS	APP. BY: CBW
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R:\Conway MA\Community Field\cod\conway fields.dwg



MAP 103.13  
SANDRA SOBECK AND  
PETER ROSNICK

MAP 103.12  
JULIE AND RONALD SWEET  
BK. 2026 PG. 89

MAP 103.10  
JAMES BOSMAN AND LYNN PODOSEK  
BK. 4769 PG. 281

**CONTROL POINT INFORMATION**

HUB 500  
PK NAIL  
E:333290.52  
N:3011813.61  
Z:597.29

HUB 507  
PK NAIL  
E:333497.61  
N:3012357.81  
Z:549.79

HUB 511  
E:333290.52  
N:3011910.07  
Z:554.06

**TEST HOLE OBSERVATIONS**

TEST PIT 1  
0 - 7 INCHES BROWN TOPSOIL, SOME ROOTS  
7 - 16 INCHES COMPACT BROWN FINE SAND SOME SILT  
16 - 25 INCHES COMPACT GREY-BROWN FINE SANDY TILL  
25 - 37 INCHES COMPACT VERY FINE SANDY TILL  
37 - 60 INCHES COMPACT BROWN VERY FINE SAND AND SILT  
NO WATER, NO LEDGE

TEST PIT 2  
0 - 8 INCHES BROWN TOPSOIL  
8 - 23 INCHES COMPACT GREY-BROWN SANDY TILL, SOME GRAVEL  
23 - 60 INCHES COMPACT BROWN TILL  
NO WATER, NO LEDGE, NO ROOTS

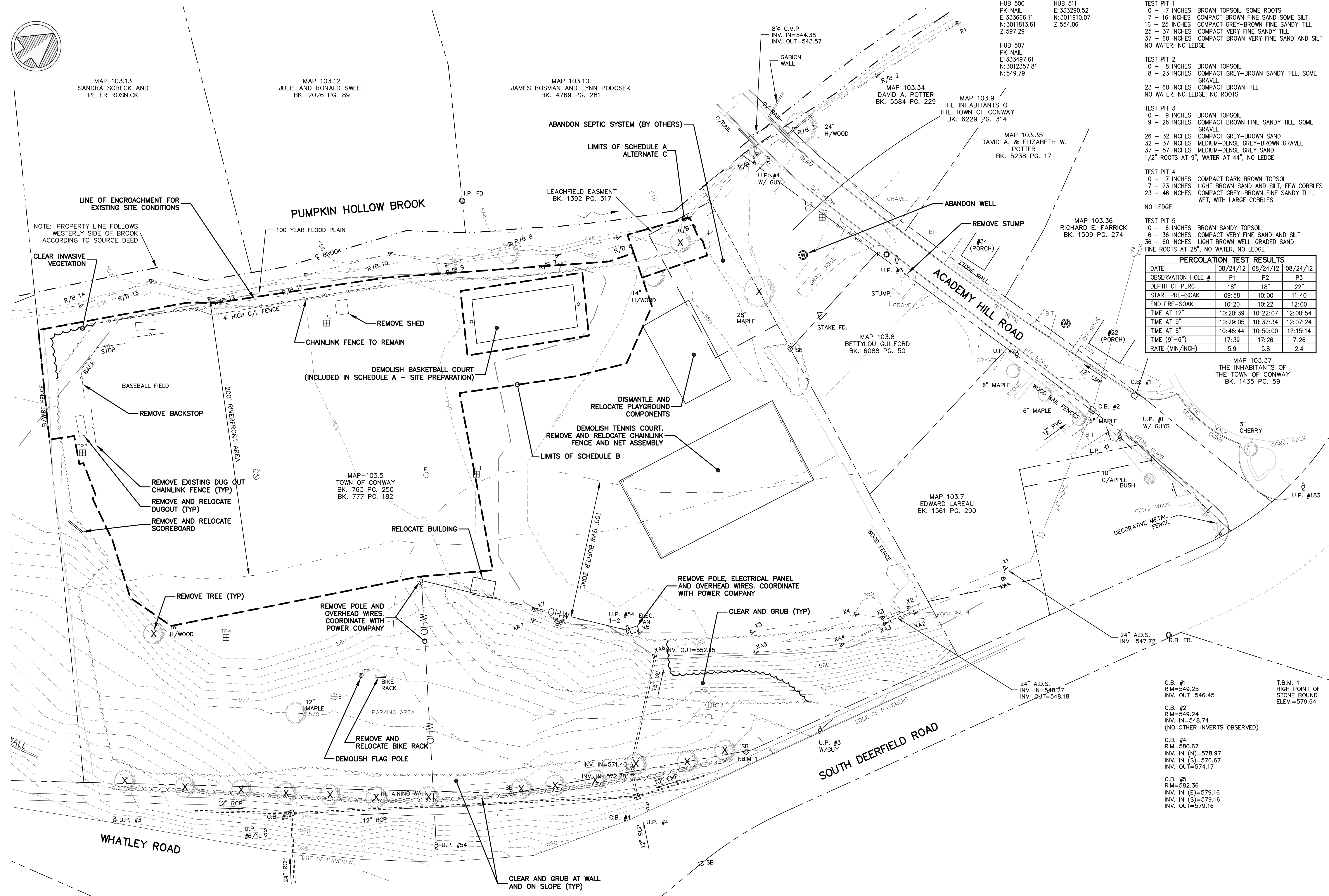
TEST PIT 3  
0 - 9 INCHES BROWN TOPSOIL  
9 - 26 INCHES COMPACT BROWN FINE SANDY TILL, SOME GRAVEL  
26 - 32 INCHES COMPACT GREY-BROWN SAND  
32 - 37 INCHES MEDIUM-DENSE GREY-BROWN GRAVEL  
37 - 57 INCHES MEDIUM-DENSE GREY SAND  
1/2" ROOTS AT 9", WATER AT 44", NO LEDGE

TEST PIT 4  
0 - 7 INCHES COMPACT DARK BROWN TOPSOIL  
7 - 23 INCHES LIGHT BROWN SAND AND SILT, FEW COBBLES  
23 - 46 INCHES COMPACT GREY-BROWN FINE SANDY TILL, WET, WITH LARGE COBBLES  
NO LEDGE

TEST PIT 5  
0 - 6 INCHES BROWN SANDY TOPSOIL  
6 - 36 INCHES COMPACT VERY FINE SAND AND SILT  
36 - 60 INCHES LIGHT BROWN WELL-GRADED SAND  
FINE ROOTS AT 28", NO WATER, NO LEDGE

**PERCOLATION TEST RESULTS**

DATE	08/24/12	08/24/12	08/24/12
OBSERVATION HOLE #	P1	P2	P3
DEPTH OF PERC	18"	18"	22"
START PRE-SOAK	09:58	10:00	11:40
END PRE-SOAK	10:20	10:22	12:00
TIME AT 12"	10:20:39	10:22:07	12:00:54
TIME AT 9"	10:29:05	10:32:34	12:07:24
TIME AT 6"	10:46:44	10:50:00	12:15:14
TIME (9"-6")	17:39	17:26	7:26
RATE (MIN/INCH)	5.9	5.8	2.4



**PLAN**

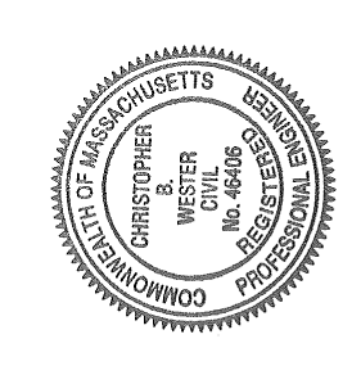
SCALE: 1"=30'



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No.	Date	Dr. By	Chk. By	App. By	Description
					A P P R O V E D

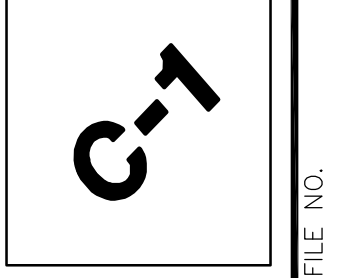
REGISTERED PROFESSIONAL ENGINEER  
Ch. B. Weston



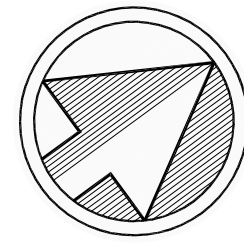
TOWN OF CONWAY, MASSACHUSETTS  
BOARD OF SELECTMEN  
CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT  
**EXISTING CONDITIONS AND DEMOLITION PLAN**

SCALE: 1"=30'  
CONWAY FIELD

CONTRACT: 2120504  
JOB NO: WGS  
DR. BY: WGS  
CHK. BY: WGS  
APP. BY: CBW



SHEET 3 OF 20



**CONTROL POINT INFORMATION**

HUB 500      HUB 511  
 PK NAIL      E: 333290.52  
 E: 333666.11      N: 3011910.07  
 N: 3011813.61      Z: 554.06  
 Z: 597.29

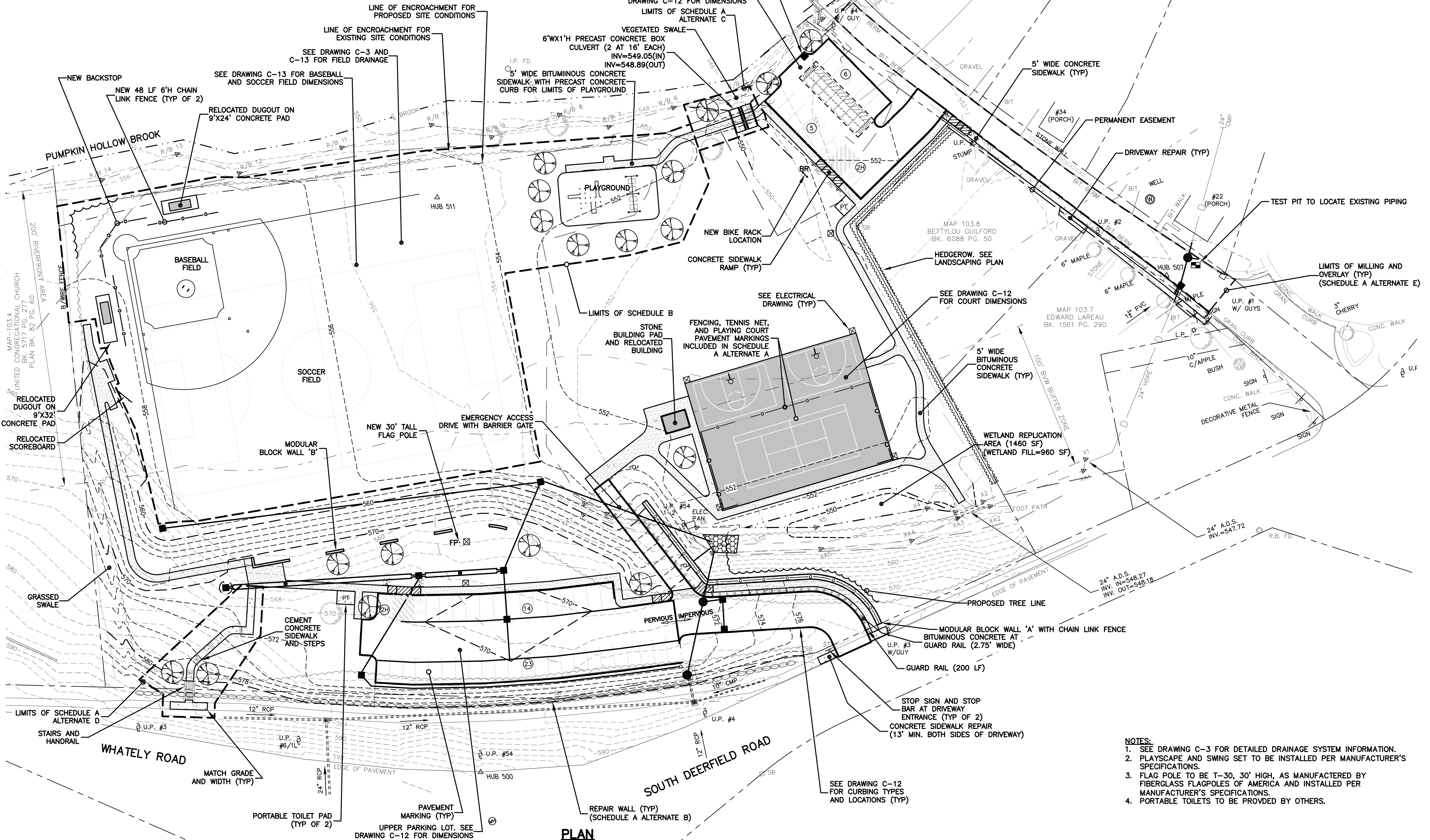
HUB 507  
 PK NAIL  
 E: 333497.61  
 N: 3012357.81  
 Z: 549.79

MAP 103.12  
 JULIE AND RONALD SWEET  
 BK. 2026 PG. 89

MAP 103.13  
 SANDRA SOBECK AND PETER ROSNICK

MAP 103.10  
 JAMES BOSMAN AND LYNN PODOSEK  
 BK. 4769 PG. 281

MAP 103.9  
 THE INHABITANTS OF  
 THE TOWN OF CONWAY  
 BK. 6229 PG. 314



**PLAN**  
 SCALE: 1"=30'

- NOTES:**
1. SEE DRAWING C-3 FOR DETAILED DRAINAGE SYSTEM INFORMATION.
  2. PLAYSCAPE AND SWING SET TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
  3. FLAG POLE TO BE T-30, 30' HIGH, AS MANUFACTURED BY FIBERGLASS FLAGPOLES OF AMERICA AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
  4. PORTABLE TOILETS TO BE PROVIDED BY OTHERS.

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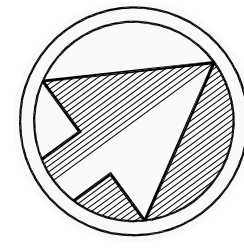
No.	Date	Dr. By	Chk. By	App. By	Description

REGISTERED PROFESSIONAL ENGINEER  
*Ch. B. Weston*



TOWN OF CONWAY, MASSACHUSETTS BOARD OF SELECTMEN	CONWAY FIELD	SCALE: 1"=30'	CONTRACT: 2120504	JOB NO: 2120504	DR. BY: WGS	CHK. BY: WGS	APP. BY: CBW
<b>PROPOSED SITE PLAN</b>							
CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT							

**C-2**

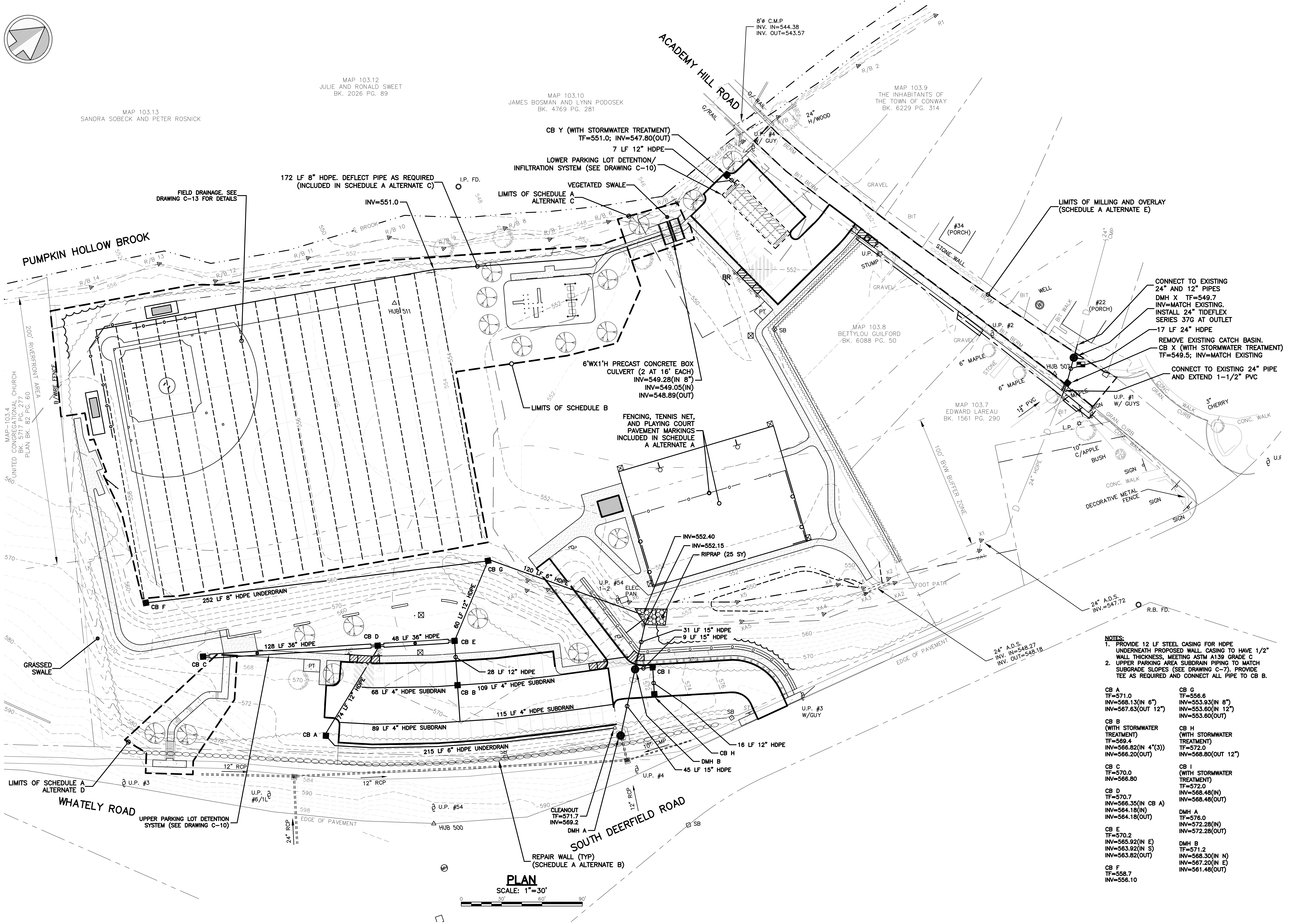


MAP 103.12  
JULIE AND RONALD SWEET  
BK. 2026 PG. 89

MAP 103.13  
SANDRA SOBECK AND PETER ROSNICK

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JAMES BOSMAN AND LYNN PODOSEK  
BK. 4769 PG. 281

MAP 103.9  
THE INHABITANTS OF  
THE TOWN OF CONWAY  
BK. 6229 PG. 314



**NOTES:**

- PROVIDE 12 LF STEEL CASING FOR HDPE UNDERNEATH PROPOSED WALL. CASING TO HAVE 1/2" WALL THICKNESS, MEETING ASTM A139 GRADE C
- UPPER PARKING AREA SUBDRAIN PIPING TO MATCH SUBGRADE SLOPES (SEE DRAWING C-7). PROVIDE TEE AS REQUIRED AND CONNECT ALL PIPE TO CB B.

<b>CB A</b> TF=571.0 INV=568.13(IN 6") INV=567.63(OUT 12")	<b>CB G</b> TF=556.6 INV=553.93(IN 8") INV=553.60(IN 12") INV=553.60(OUT)
<b>CB B</b> (WITH STORMWATER TREATMENT) TF=569.4 INV=566.82(IN 4"(3)) INV=566.20(OUT)	<b>CB H</b> (WITH STORMWATER TREATMENT) TF=572.0 INV=568.80(IN 12")
<b>CB C</b> TF=570.0 INV=566.35(IN CB A) INV=564.18(IN) INV=564.18(OUT)	<b>CB I</b> (WITH STORMWATER TREATMENT) TF=572.0 INV=568.48(IN) INV=568.48(OUT)
<b>CB D</b> TF=570.7 INV=566.35(IN CB A) INV=564.18(IN) INV=564.18(OUT)	<b>DMH A</b> TF=576.0 INV=572.28(IN) INV=572.28(OUT)
<b>CB E</b> TF=570.2 INV=565.92(IN E) INV=563.92(IN S) INV=563.82(OUT)	<b>DMH B</b> TF=571.2 INV=568.30(IN N) INV=567.20(IN E) INV=561.48(OUT)
<b>CB F</b> TF=558.7 INV=556.10	

**PLAN**  
SCALE: 1"=30'

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					A P P R O V E D

REGISTERED PROFESSIONAL ENGINEER  
Ch. B. Weston  
DATE

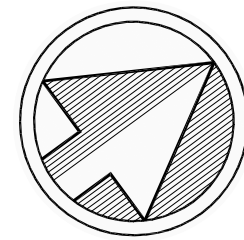
TOWN OF CONWAY, MASSACHUSETTS  
BOARD OF SELECTMEN  
CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT

**PROPOSED DRAINAGE PLAN**

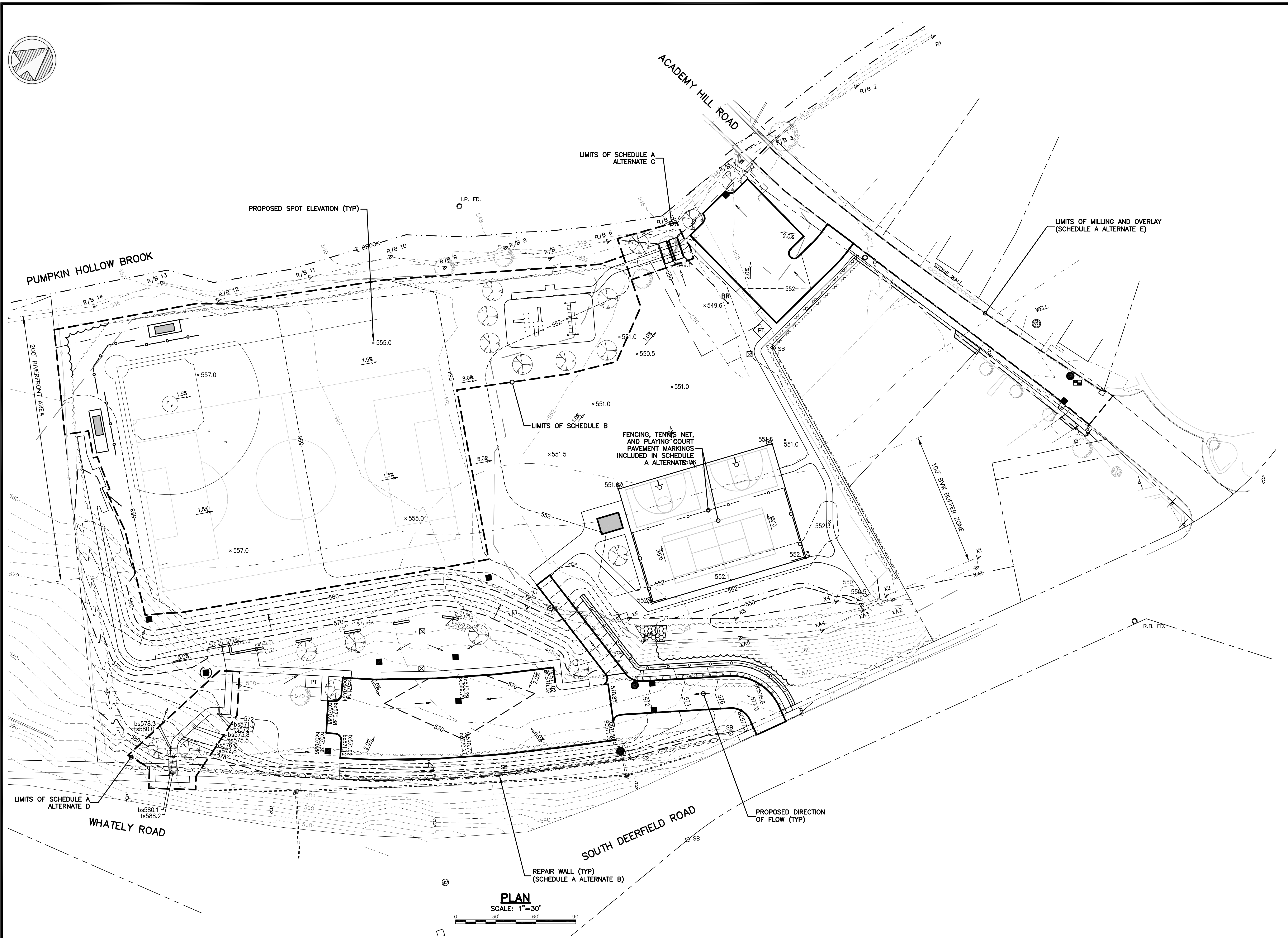
SCALE: 1"=30'  
JOB NO: 2120504  
CONTRACT: CONWAY FIELD

FILE NO.	CONWAY FIELD
SCALE:	1"=30'
CONTRACT:	CONWAY FIELD
JOB NO:	2120504
DR. BY:	WGS
CHK. BY:	WGS
APP. BY:	CBW

**SHEET 5 OF 20**

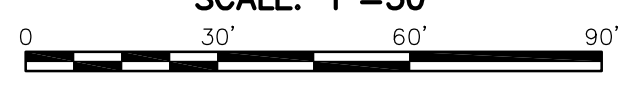


R:\Conway MA\Community Field\cod\conway fields.dwg



**PLAN**

SCALE: 1"=30'



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No.	Date	Dr. By	Ck. By	App. By	Description
		A	P	R	O
		V	E	D	

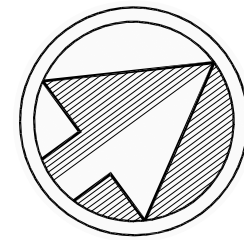
REGISTERED PROFESSIONAL ENGINEER  
*Ch. B. Weston*  
 DATE \_\_\_\_\_



TOWN OF CONWAY, MASSACHUSETTS  
 BOARD OF SELECTMEN  
 CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT  
**PROPOSED GRADING PLAN**

CADD NO. CONWAY FIELD  
 SCALE: 1"=30'  
 JOB NO. 2120504  
 CONTRACT: \_\_\_\_\_  
 DLS: WGS  
 DSN: WGS  
 CHK: DRL  
 APP: CBW

**C-4**  
 SHEET 6 OF 20



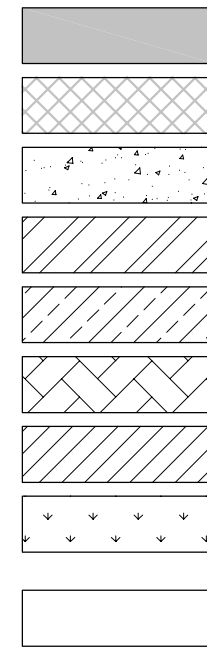
**PLANTING AND LANDSCAPE NOTES:**

1. PROTECT AND PRESERVE ALL TREES ADJACENT TO AND BEYOND LIMITS OF GRADING/WORK.
2. PLANT CANADIAN HEMLOCK 3' O.C. TO FORM HEDGEROW

QTY.	PLANT BOTANICAL NAME, COMMON NAME, SIZE	SYMBOL
4	ACER SACCHARUM, SUGAR MAPLE, 3" CALIPER	(Symbol 1)
3	ACER SACCHARINUM, SILVER MAPLE, 3" CALIPER	(Symbol 2)
2	BETULA NIGRA, RIVER BIRCH, 3" CALIPER	(Symbol 3)
3	QUERCUS ALBA, WHITE OAK, 3" CALIPER	(Symbol 4)
1	ULMUS PARVIFOLIA, LACEBARK ELM, 3" CALIPER	(Symbol 5)
95	TSUGA CANADENSIS, CANADIAN HEMLOCK, 2 GALLON	(Symbol 7)
3	ACER PALMATUM VAR. ATROPURPUREUM, JAPANESE MAPLE, 2" CALIPER	(Symbol 8)

**SURFACE RESTORATION LEGEND**

- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED PERVIOUS PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED INFIELD
- PROPOSED AMENDED TURF
- PROPOSED STABILIZED SLOPE
- PROPOSED MULCH
- PROPOSED WETLAND REPLICATION
- PROPOSED LOAM AND SEED (ALL OTHER DISTURBED AREAS)



LIMITS OF SCHEDULE A ALTERNATE C

LIMITS OF MILLING AND OVERLAY (TYP) (SCHEDULE A ALTERNATE E)

FENCING, TENNIS NET, AND PLAYING COURT PAVEMENT MARKINGS INCLUDED IN SCHEDULE A ALTERNATE A

LIMITS OF SCHEDULE B

PUMPKIN HOLLOW BROOK

ACADEMY HILL ROAD

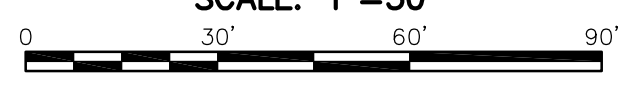
WHATELY ROAD

SOUTH DEERFIELD ROAD

REPAIR WALL (TYP) (SCHEDULE A ALTERNATE B)

**PLAN**

SCALE: 1"=30'



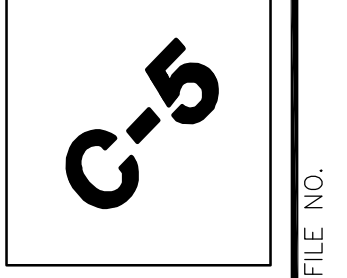
R:\Conway MA\Community Field\cod\conway fields.dwg

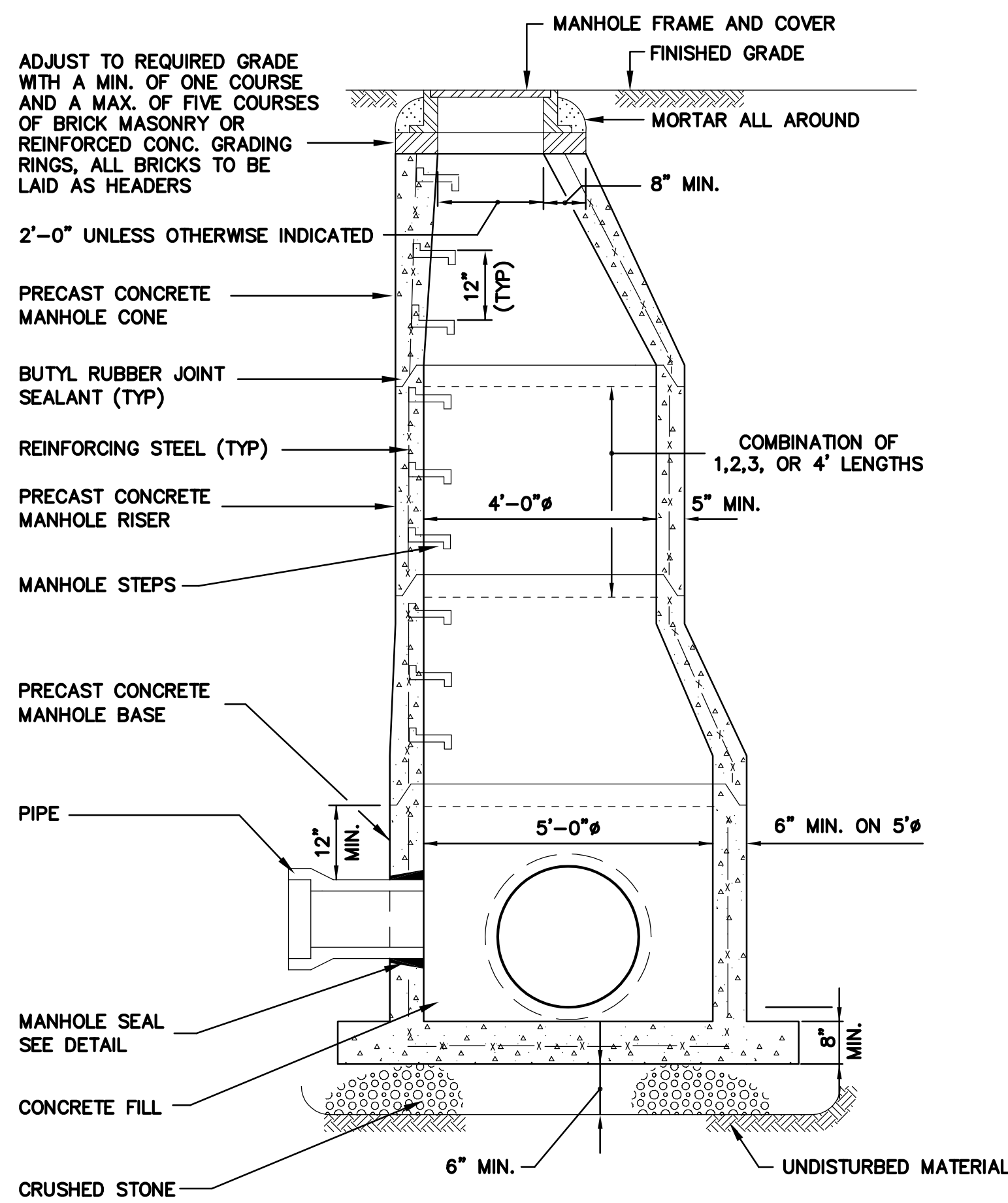
No.	Date	Dr. By	Ck. By	App. By	Description
					A P P R O V E D

REGISTERED PROFESSIONAL ENGINEER  
 Ch. B. Weston

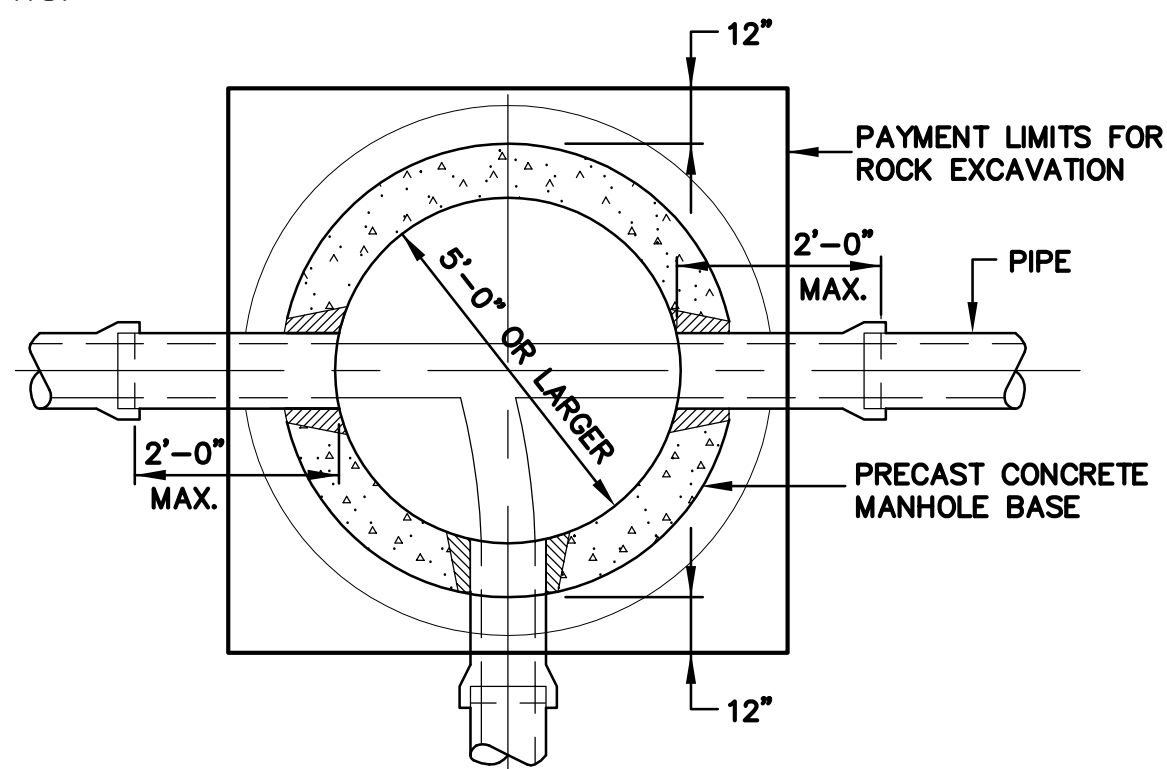


TOWN OF CONWAY, MASSACHUSETTS  
 BOARD OF SELECTMEN  
 CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT  
**SURFACE RESTORATION AND LANDSCAPING PLAN**  
 SCALE: 1"=30'  
 CADD NO.: CONWAY FIELD  
 JOB NO.: 2120504  
 CONTRACT:  
 DR. BY: WGS  
 DSK. BY: WGS  
 CHK. BY: DRL  
 APP. BY: CBW

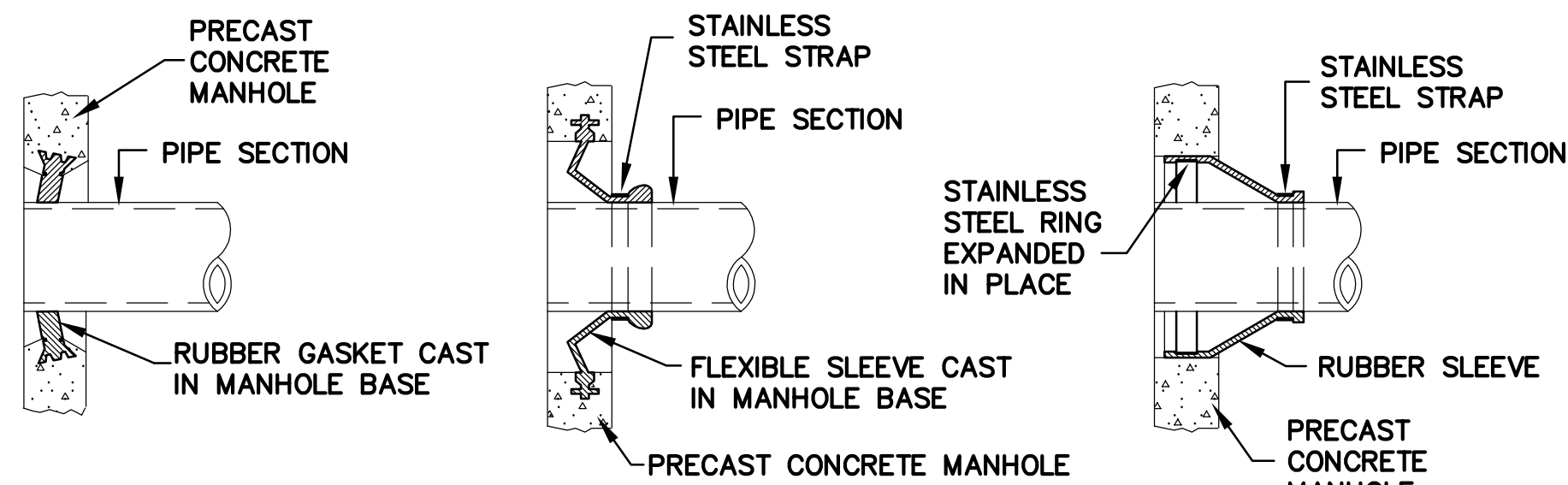




**5' DIAMETER PRECAST CONCRETE MANHOLE DETAIL**  
N.T.S.



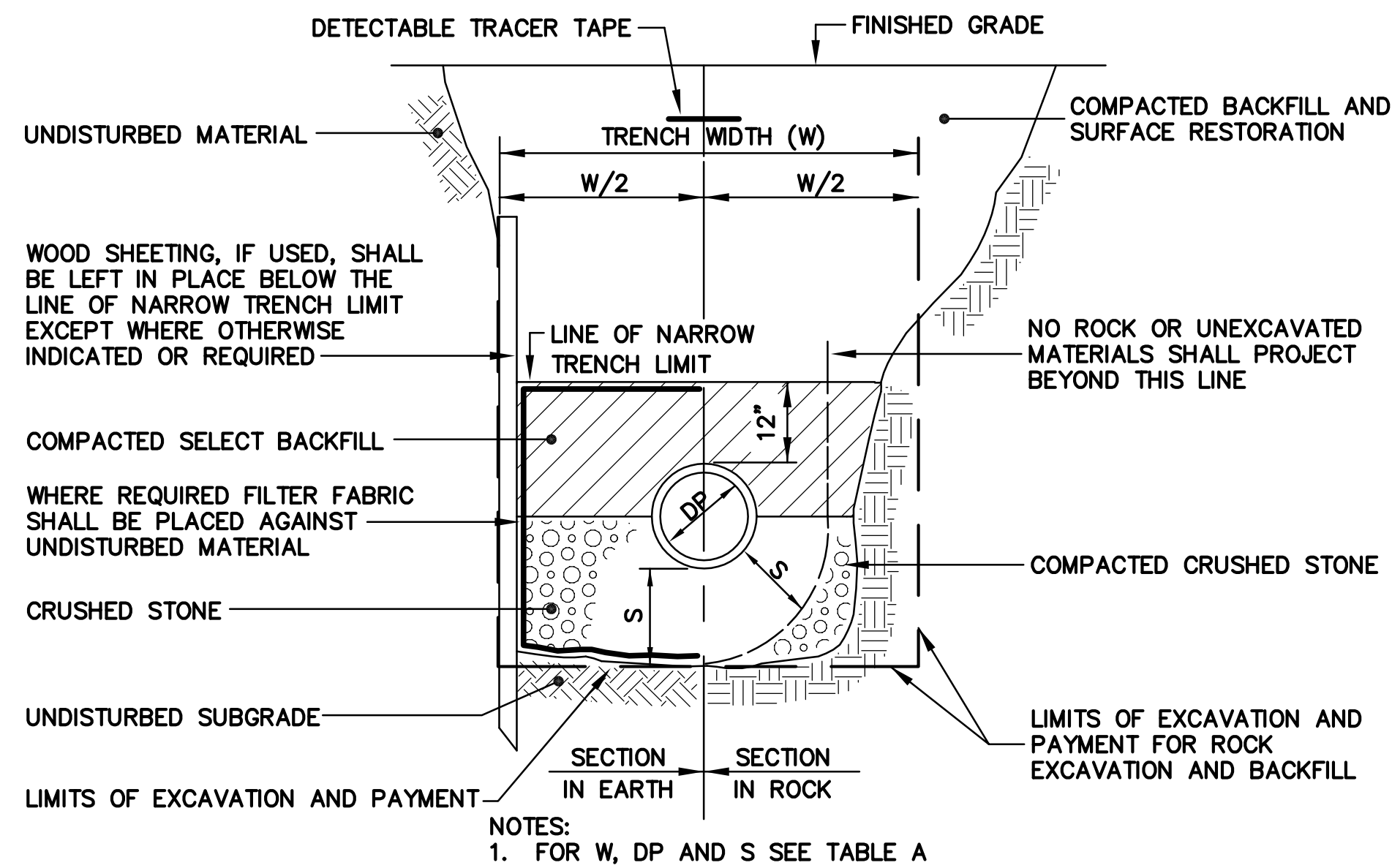
**5'-0\"/>**



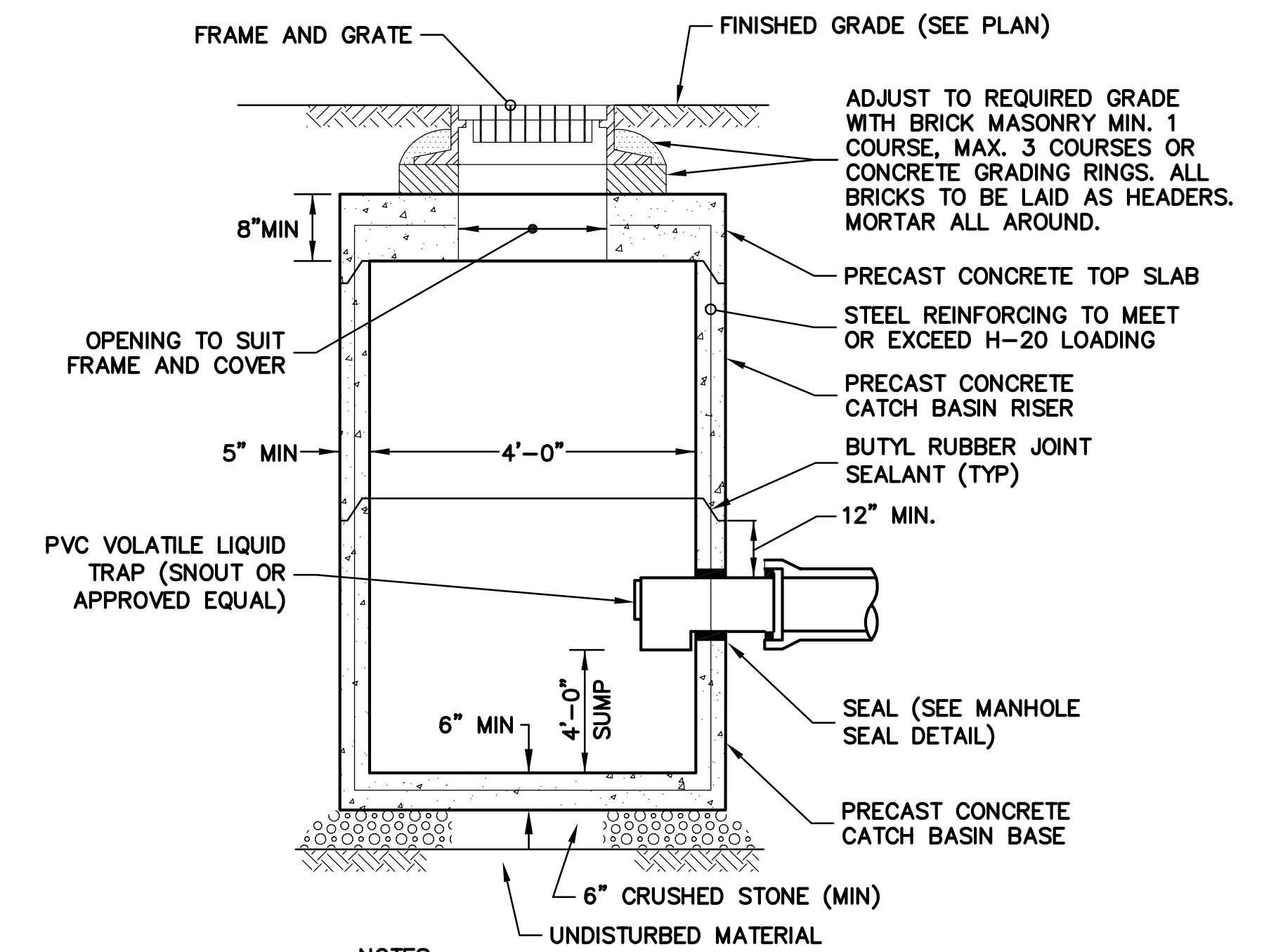
**MANHOLE SEAL DETAILS**  
N.T.S.

DEPTH TO INVERT	DIAMETER OF PIPE (DP)	MAXIMUM TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (W)	MINIMUM CLEARANCE (S)
0-12'	TO 18"	5'	6"
0-12'	21"-24"	5'	7-1/2"
OVER 12'	TO 18"	7'	6"
OVER 12'	21"-24"	7'	7-1/2"

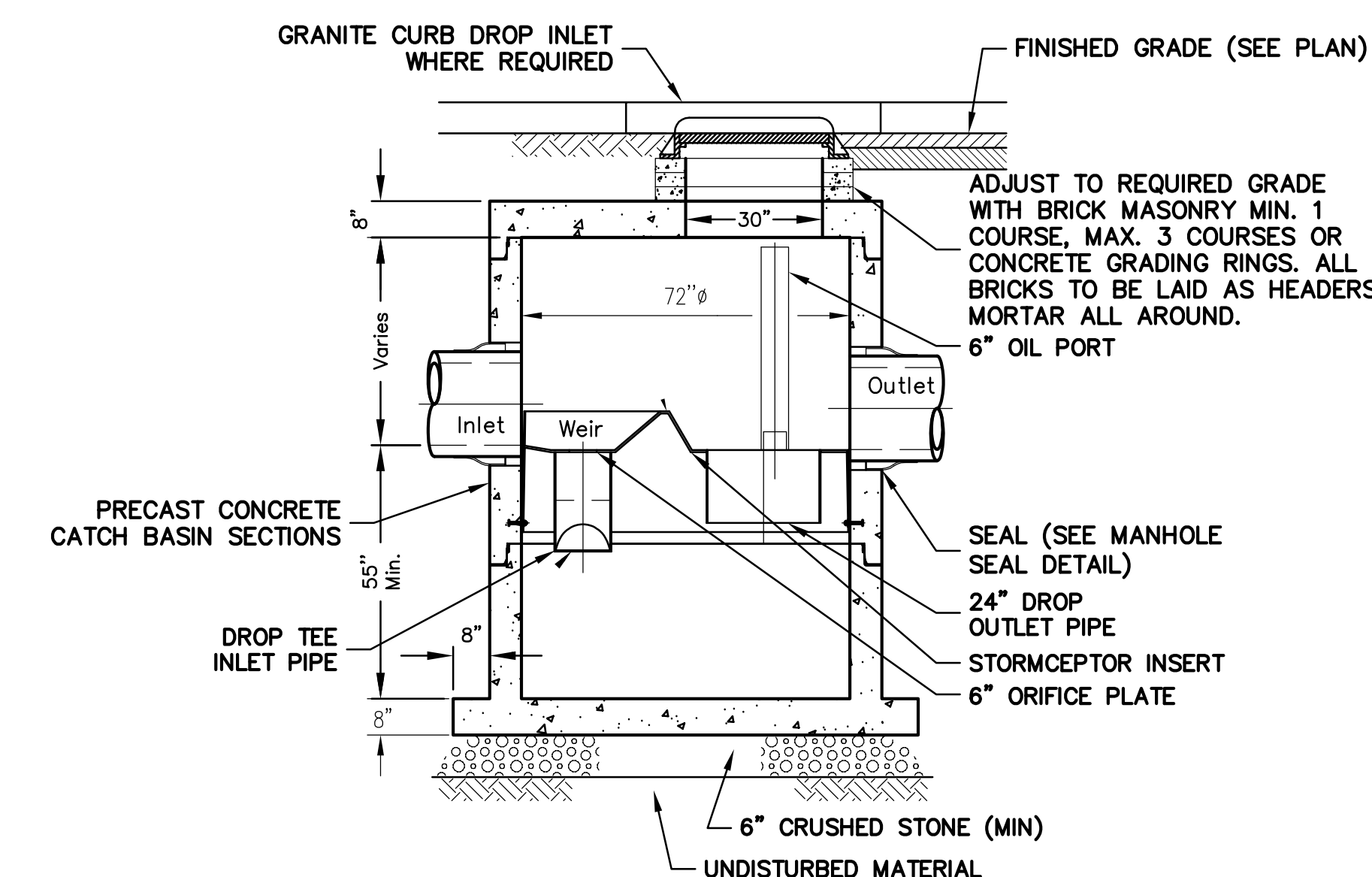
**TABLE A**



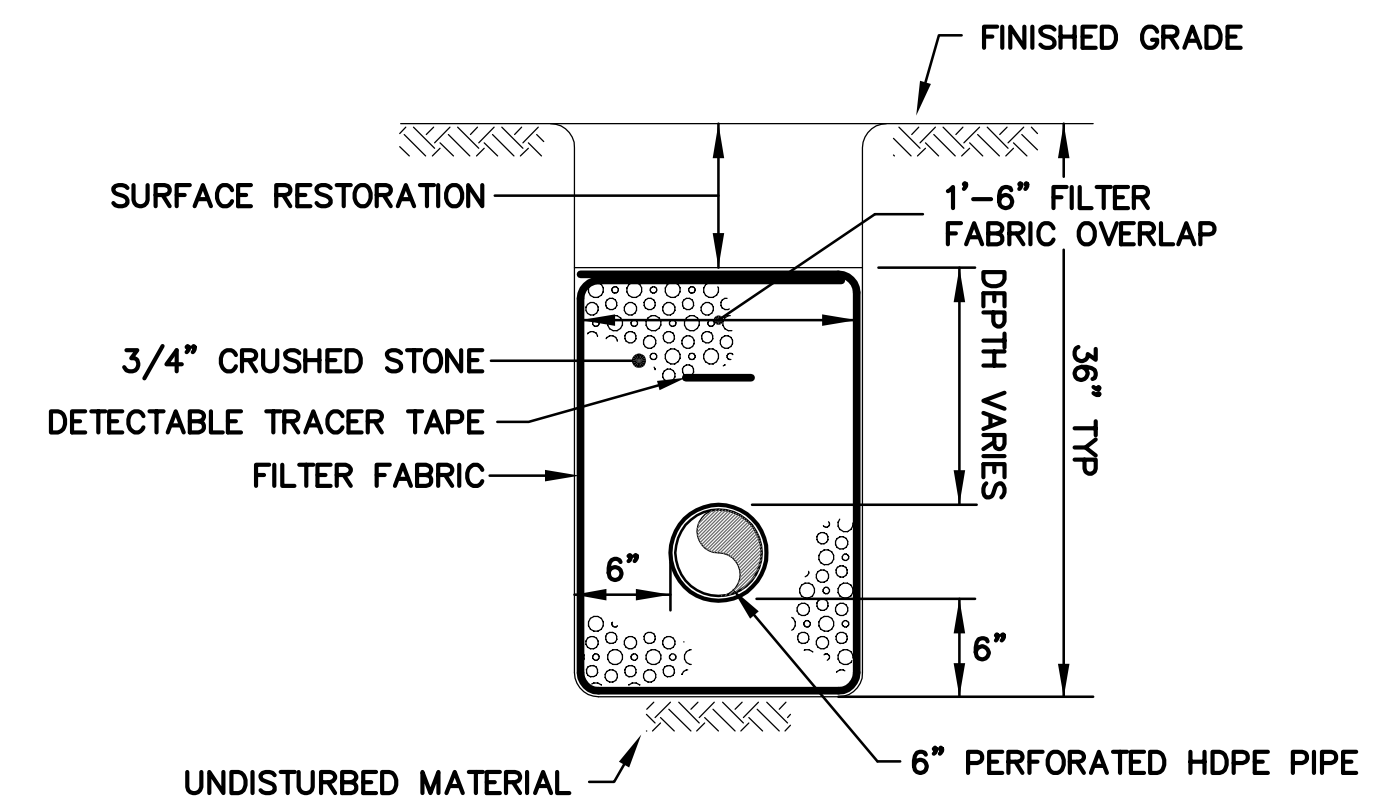
**STORM DRAIN TRENCH DETAIL**  
N.T.S.



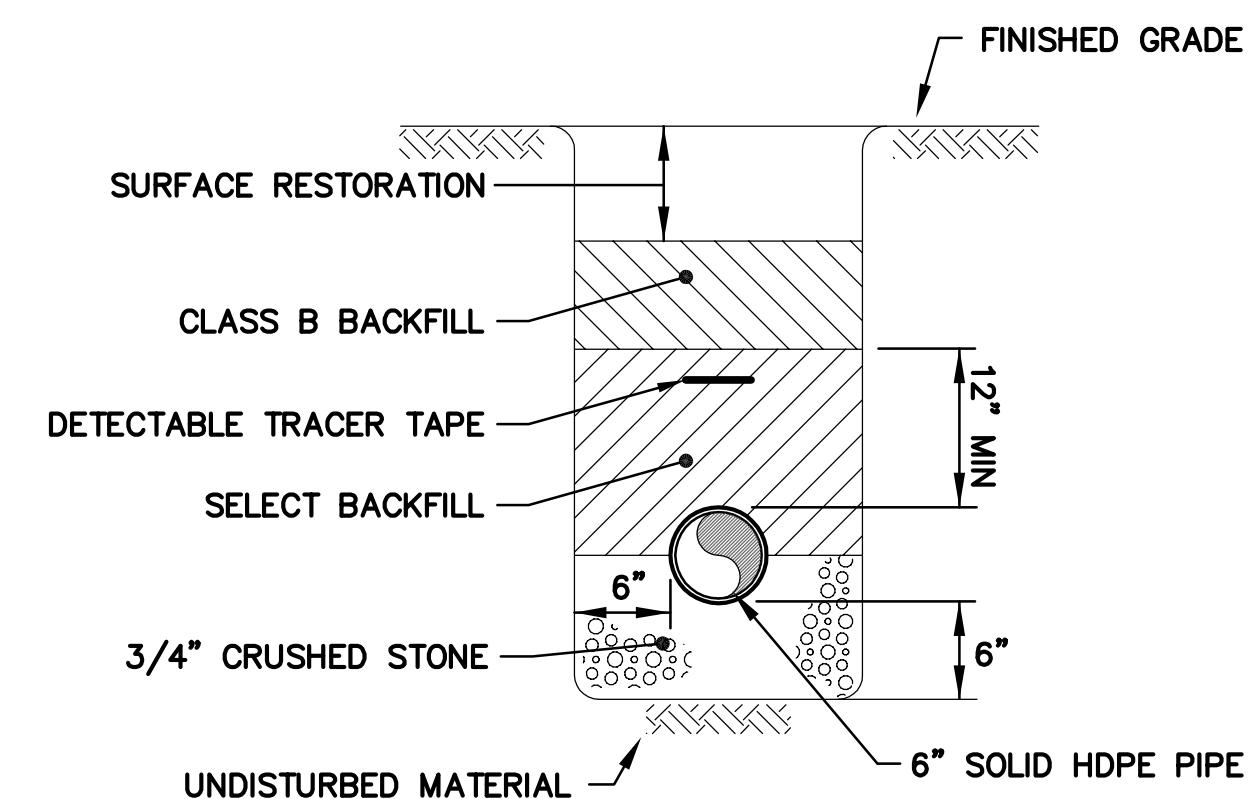
**PRECAST CATCH BASIN DETAIL**  
N.T.S.



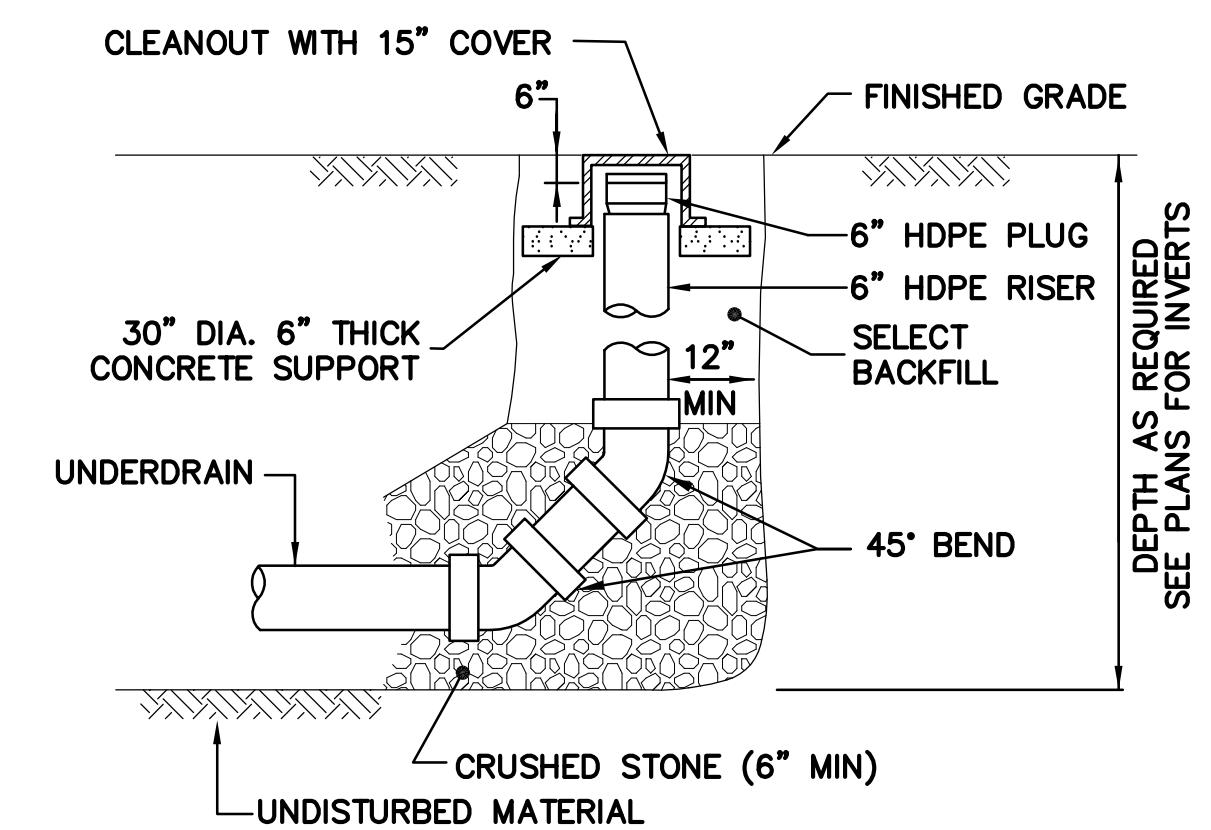
**PRECAST CATCH BASIN DETAIL WITH STORMWATER TREATMENT**  
N.T.S.



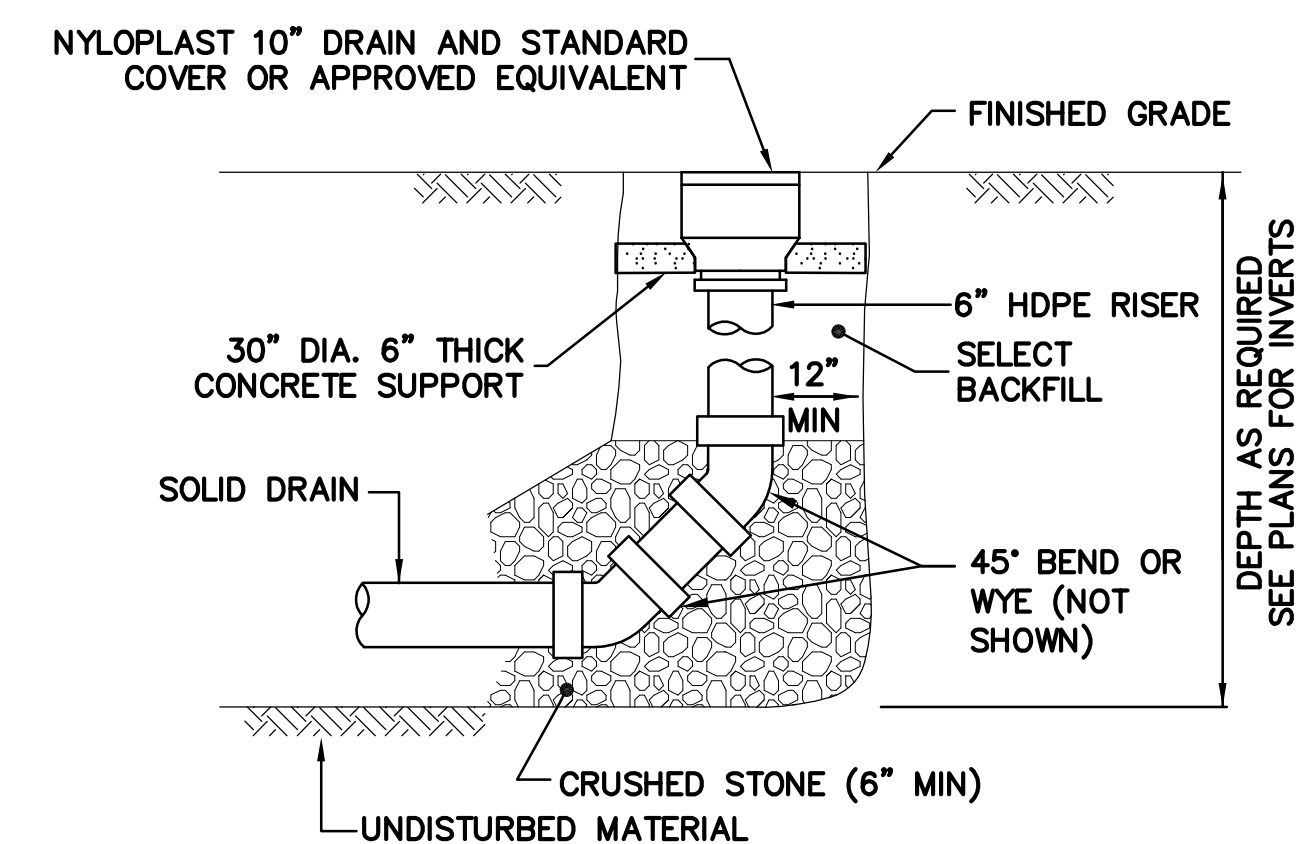
**UNDERDRAIN DETAIL**  
N.T.S.



**SOLID DRAIN PIPING DETAIL**  
N.T.S.

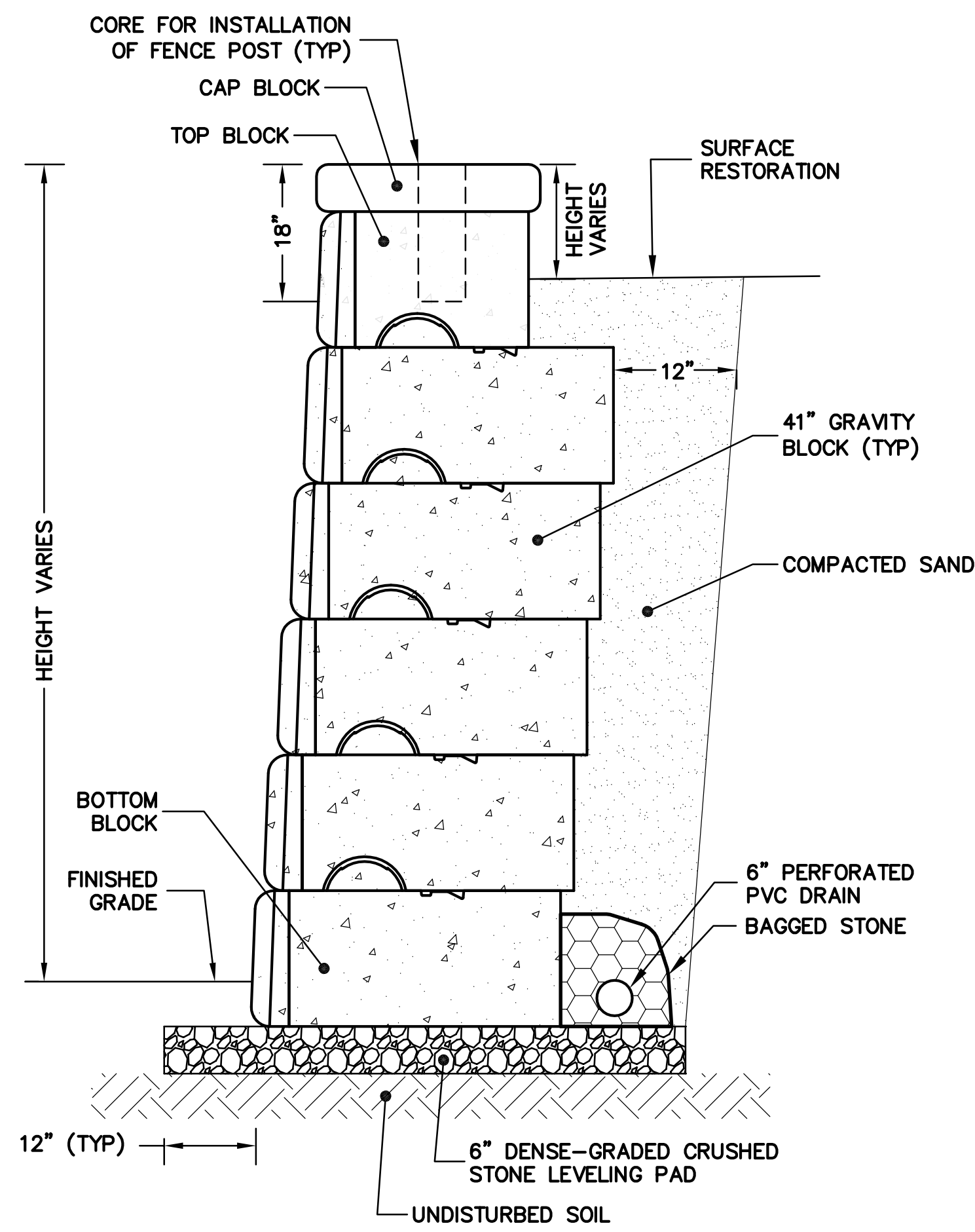


**CLEANOUT DETAIL**  
N.T.S.



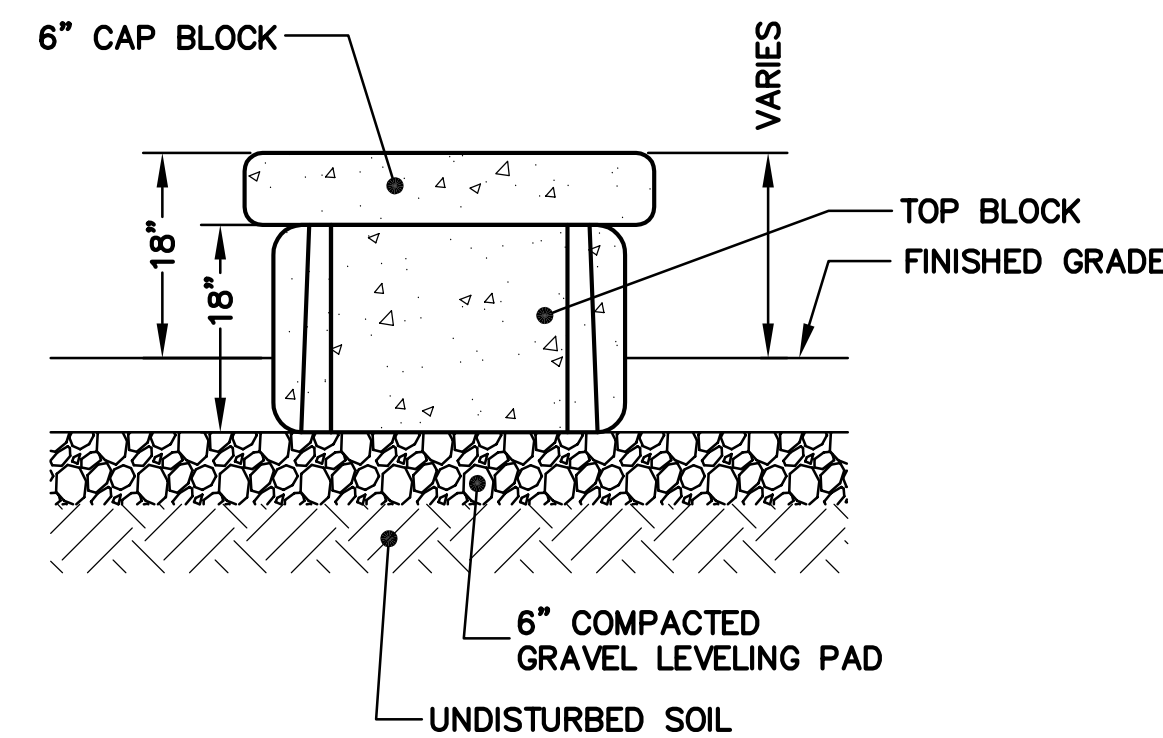
**YARD DRAIN DETAIL**  
N.T.S.





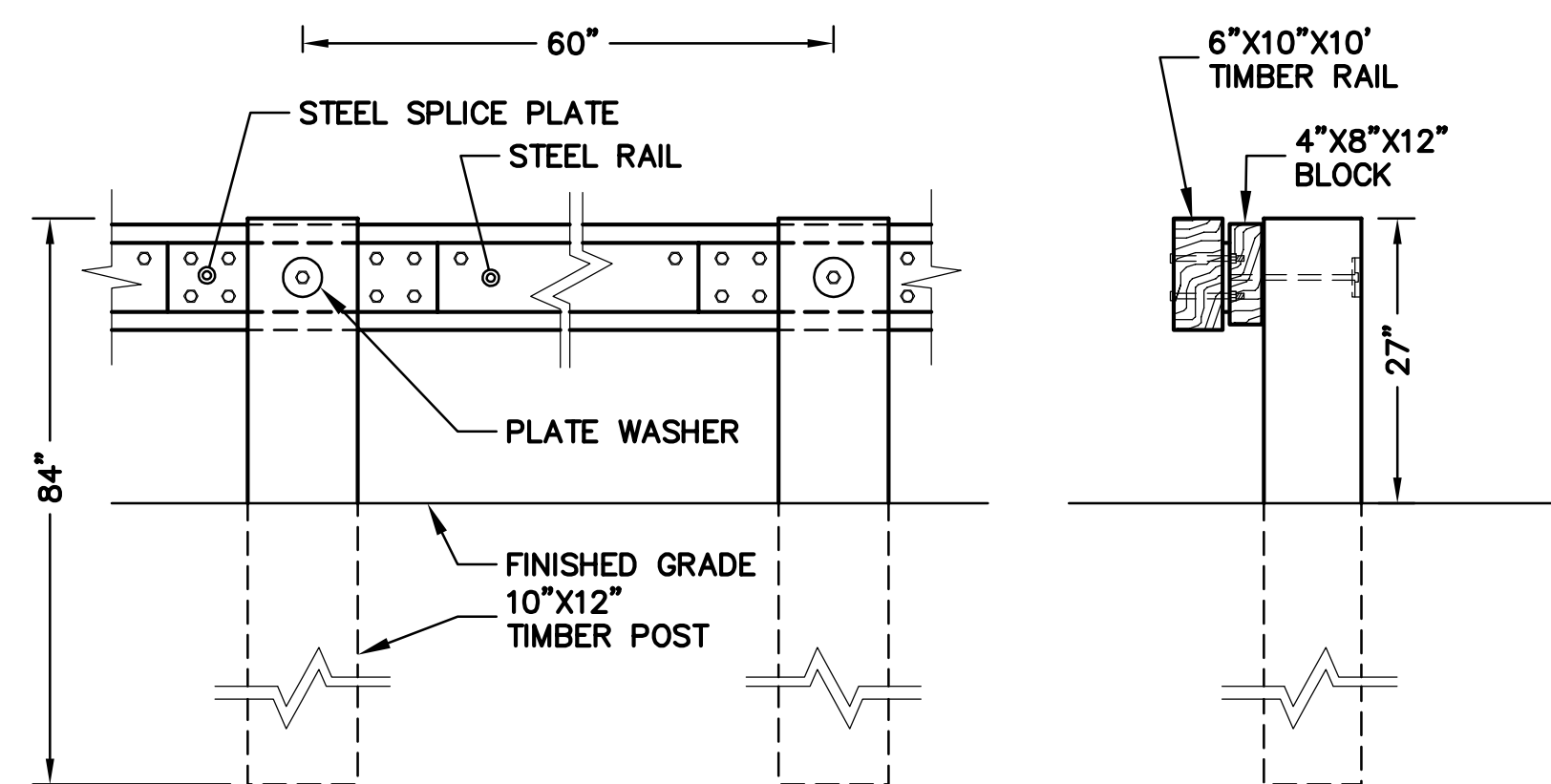
- NOTES:**
1. WALL TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS (REDI-ROCK INTERNATIONAL).
  2. WALL DESIGN TO BE STAMPED BY AN ENGINEER LICENSED IN THE COMMONWEALTH OF MASSACHUSETTS.
  3. PROVIDE GEO-GRID LAYERS AS REQUIRED.
  4. WALLS TO HAVE 'LEDGESTONE' TEXTURE ON ALL VISIBLE SIDES.

**MODULAR BLOCK WALL 'A' DETAIL**  
N.T.S.

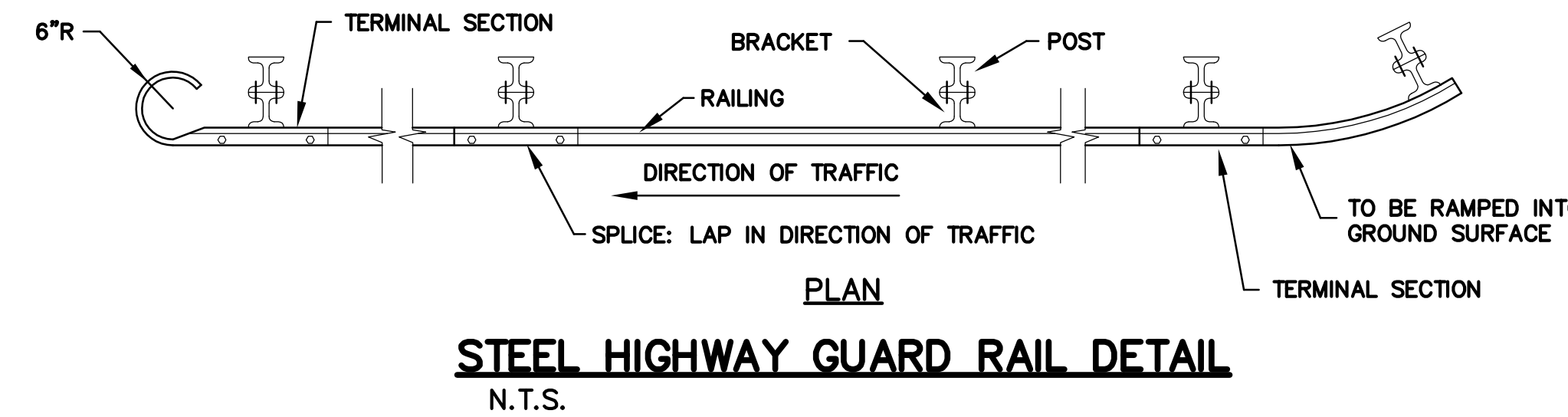
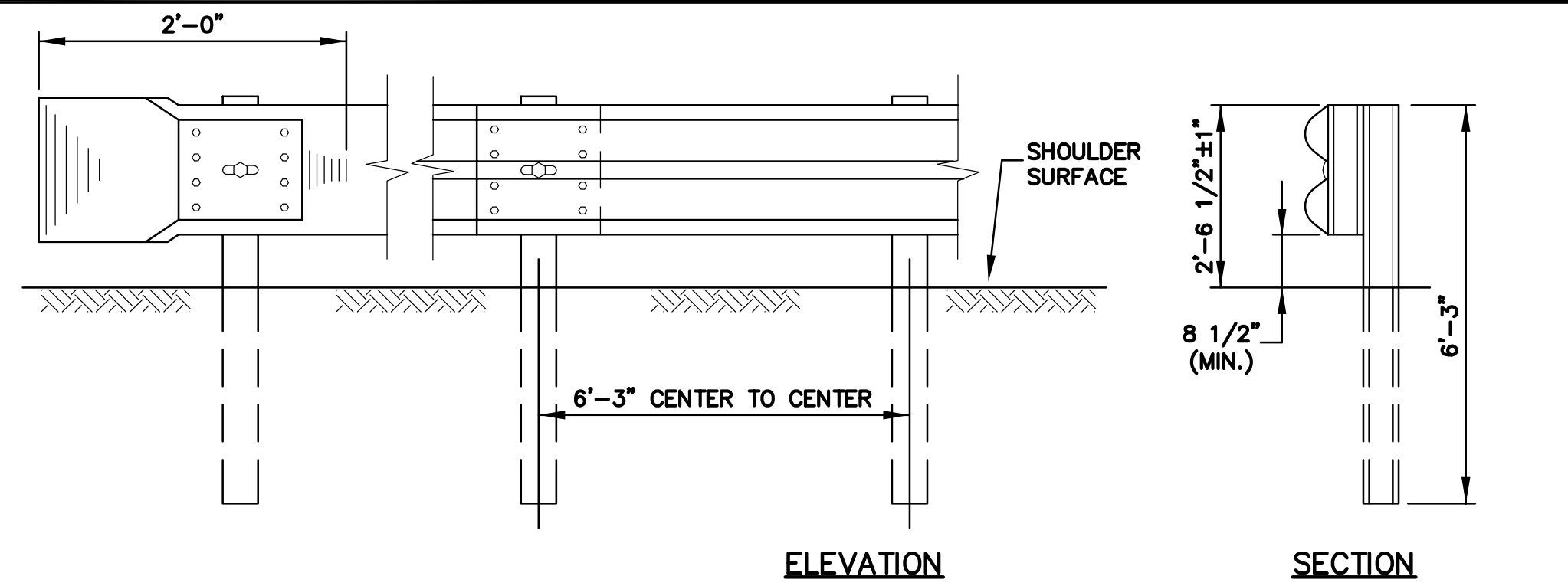


- NOTES:**
1. WALL TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS (REDI-ROCK INTERNATIONAL).
  2. WALLS TO HAVE 'LEDGESTONE' TEXTURE ON ALL VISIBLE SIDES.

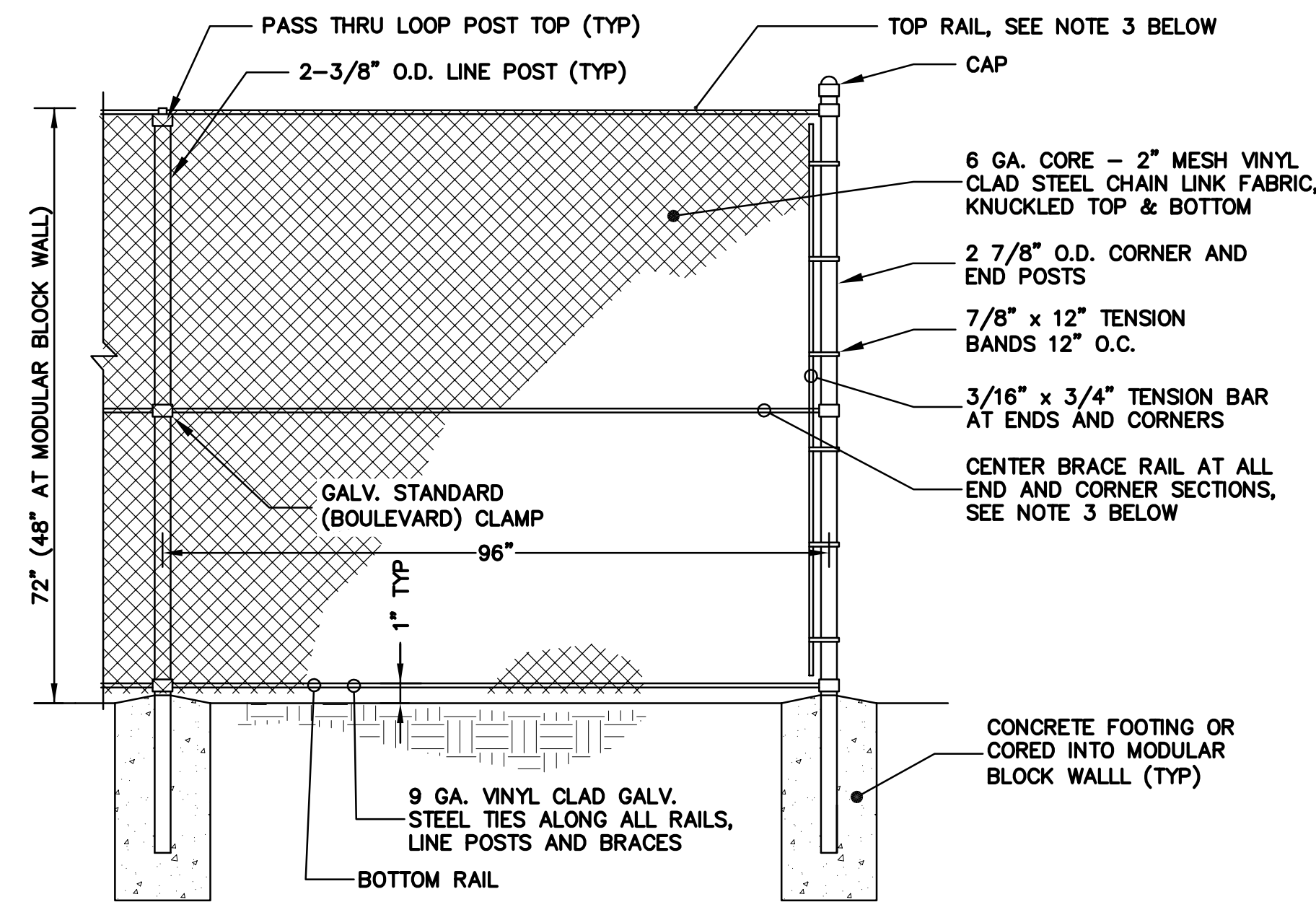
**MODULAR BLOCK WALL 'B' FREESTANDING WALL DETAIL**  
N.T.S.



**STEEL-BACKED TIMBER GUARD RAIL**  
N.T.S.

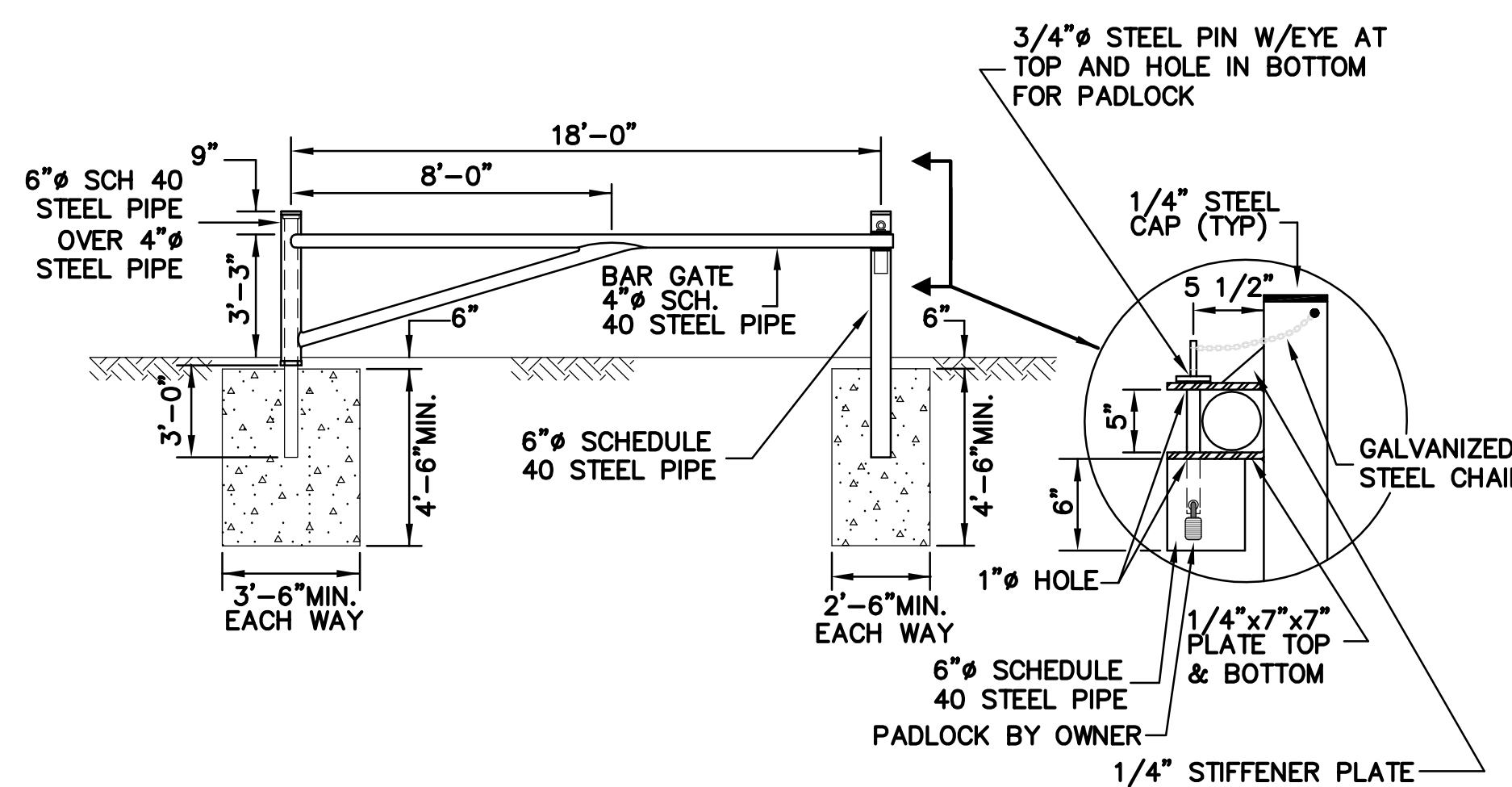


**STEEL HIGHWAY GUARD RAIL DETAIL**  
N.T.S.



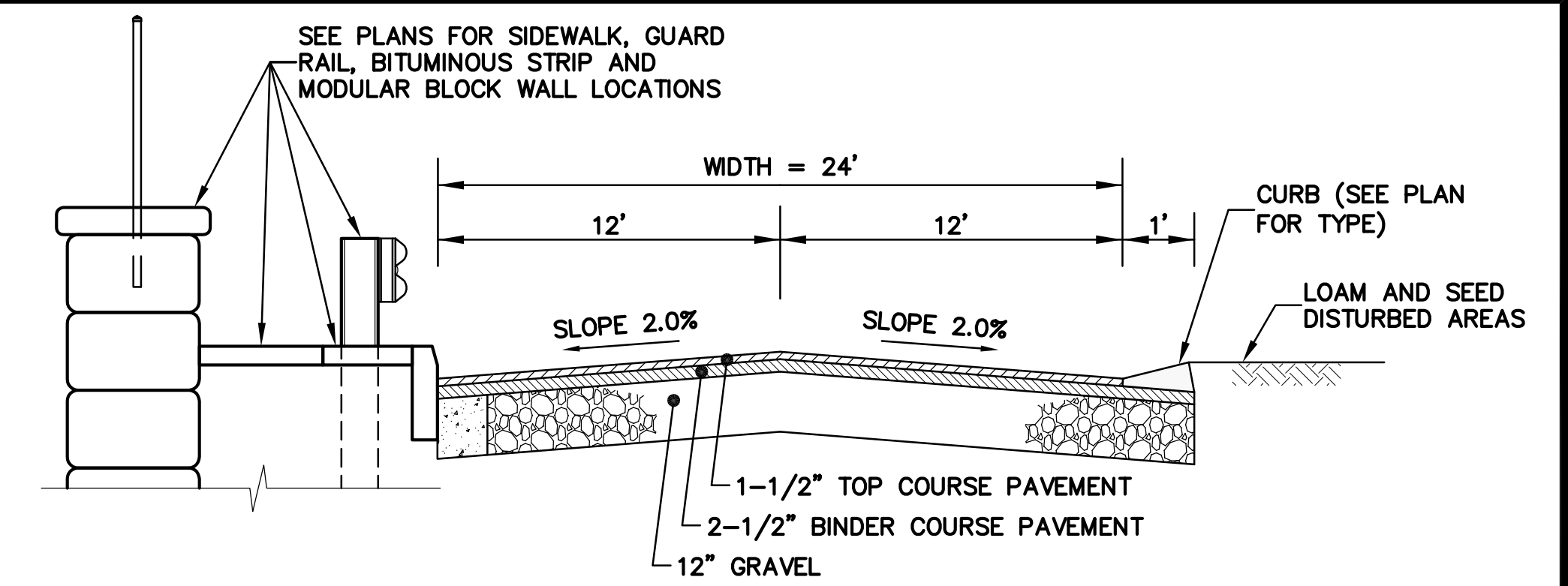
- NOTES:**
1. ALL FENCE PIPE SHALL BE SCH. 40, VINYL CLAD HOT DIP GALV. STEEL PIPE.
  2. ALL LINE POSTS SHALL BE INSTALLED EQUALLY SPACED BETWEEN END & CORNER POSTS.
  3. ALL RAILS SHALL BE 1.66\" O.D. PIPE
  4. ALL CLAMPS, TIES, POST TOPS, BANDS, POSTS, ETC. SHALL BE VINYL CLAD TO MATCH FABRIC.

**CHAIN LINK FENCE DETAIL**  
N.T.S.

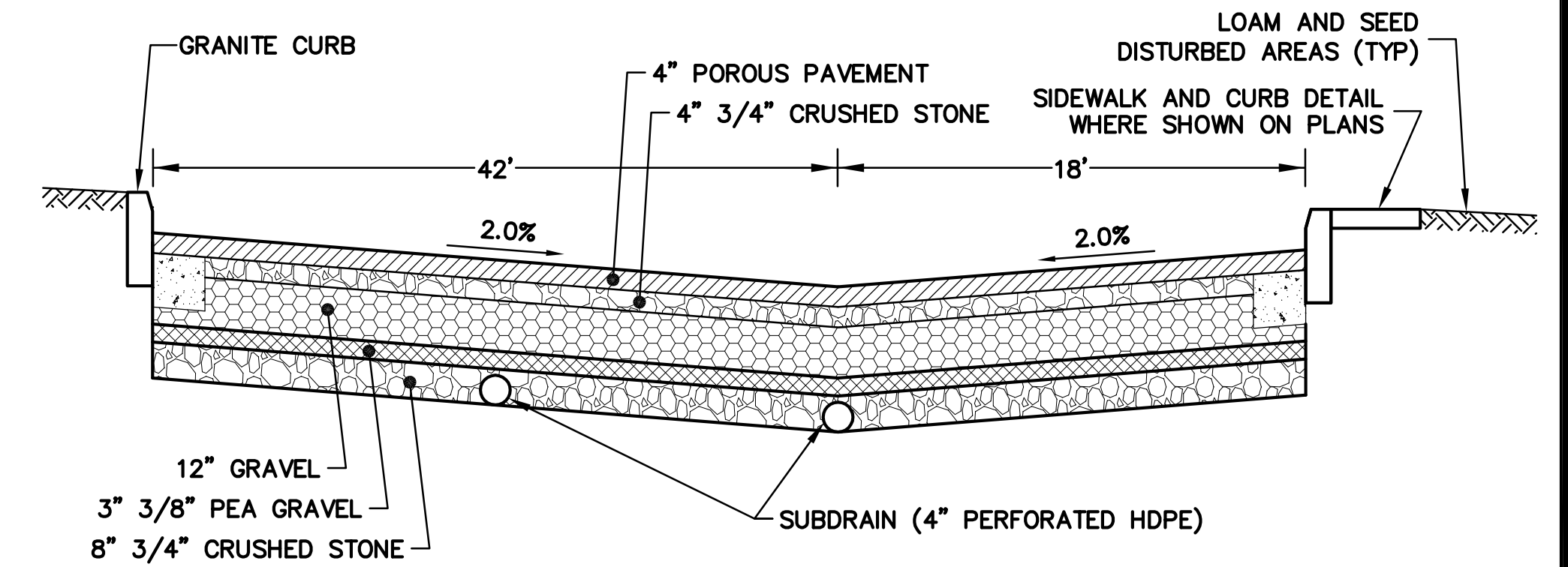


- NOTES:**
1. ALL EXPOSED PIPE AND APPURTENANCES TO BE PAINTED WITH ZINC RICH PRIMER PLUS ONE COAT OF CATALYZED EPOXY AND A FINISH COAT OF ACRYLIC POLYURETHANE BY TNEEC CO. OR APPROVED EQUAL.
  2. ALL INTERSECTING PIPE JOINTS SHALL BE SHOP FILLET WELDED.

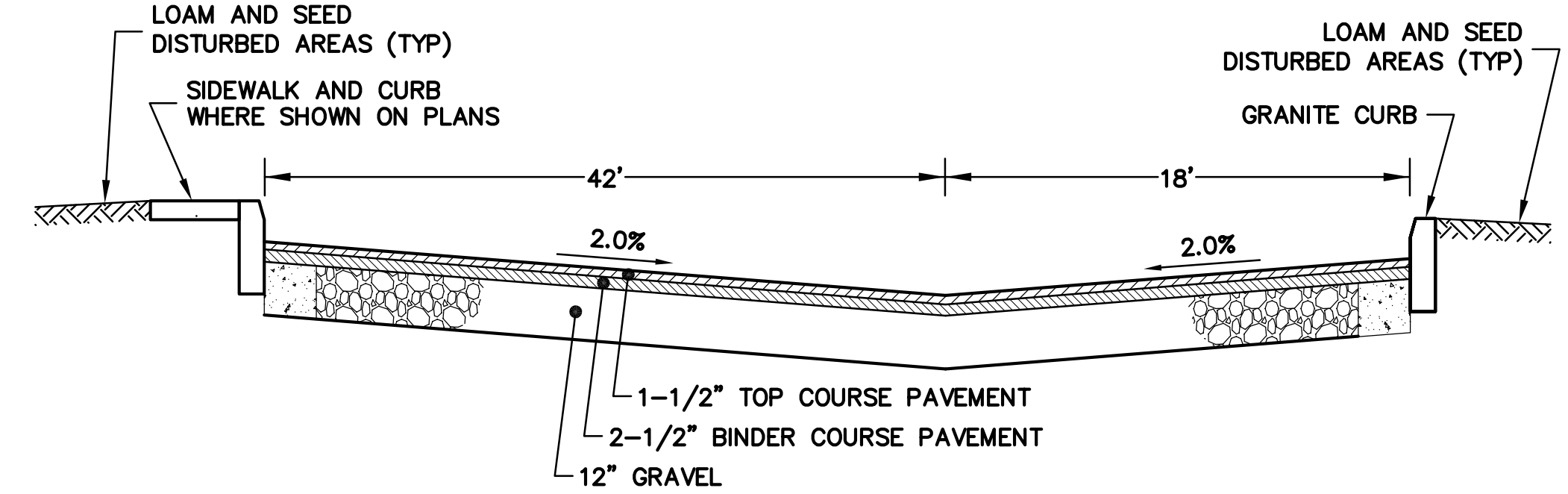
**TYPICAL BARRIER GATE**  
N.T.S.



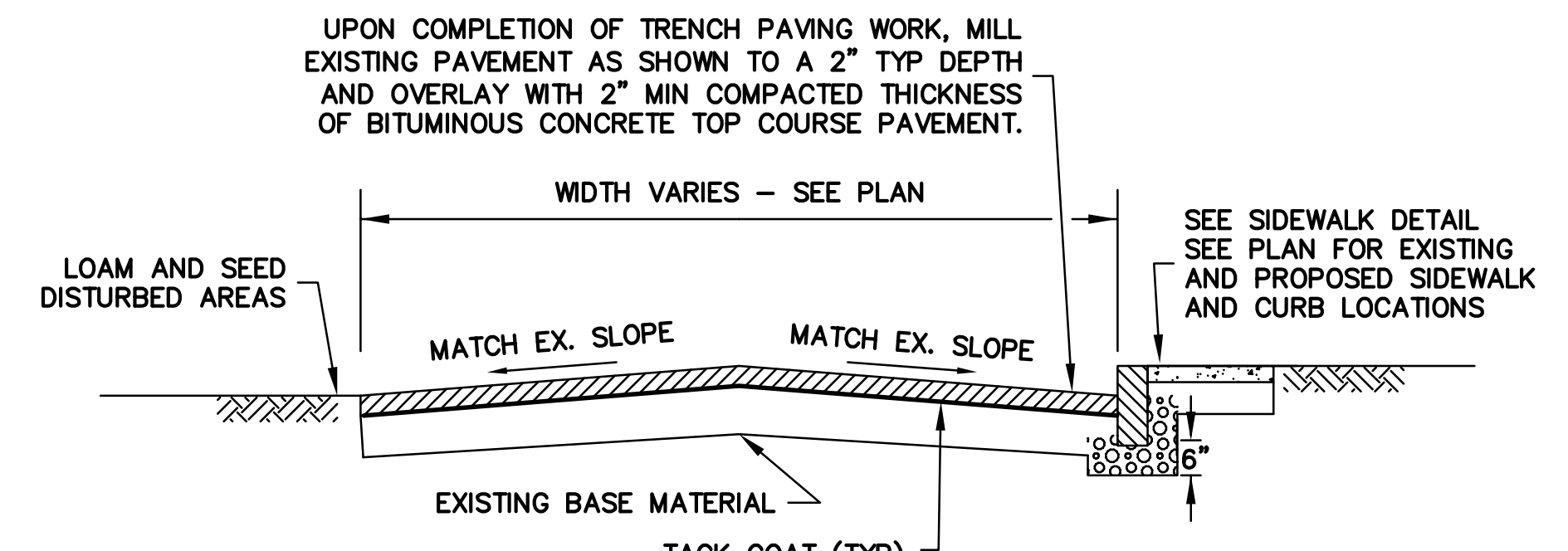
**TYPICAL DRIVEWAY PAVEMENT DETAIL**  
N.T.S.



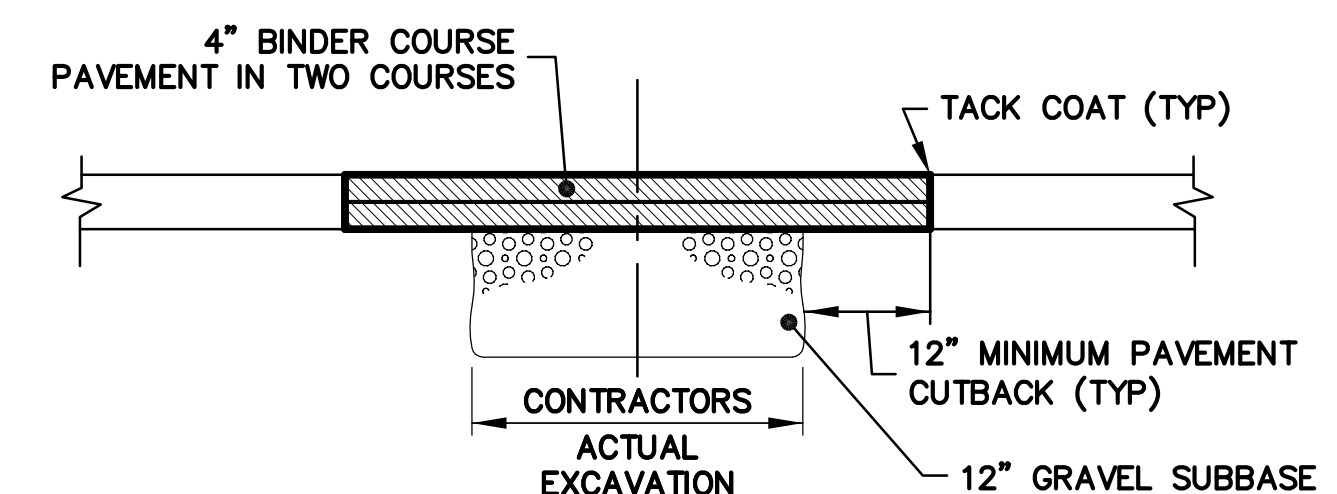
**TYPICAL PERVIOUS PARKING AREA PAVEMENT DETAIL**  
**UPPER PARKING LOT**  
N.T.S.



**TYPICAL IMPERVIOUS PARKING AREA PAVEMENT DETAIL**  
**LOWER PARKING LOT**  
N.T.S.



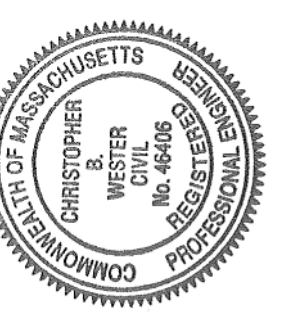
**TYPICAL MILLING AND OVERLAY DETAIL**  
N.T.S.



**PERMANENT TRENCH PAVEMENT REPLACEMENT DETAIL**  
N.T.S.

No.	Date	Dr. By	Ck. By	App. By	Description
					A P P R O V E D

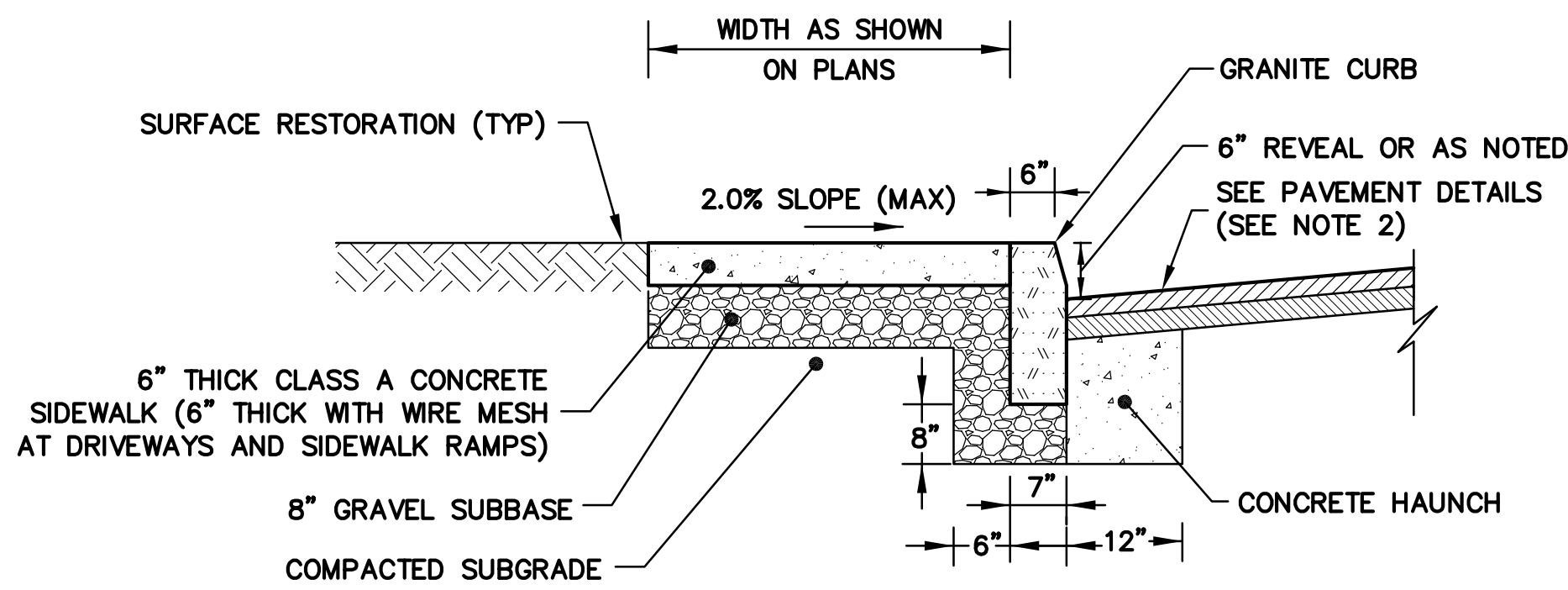
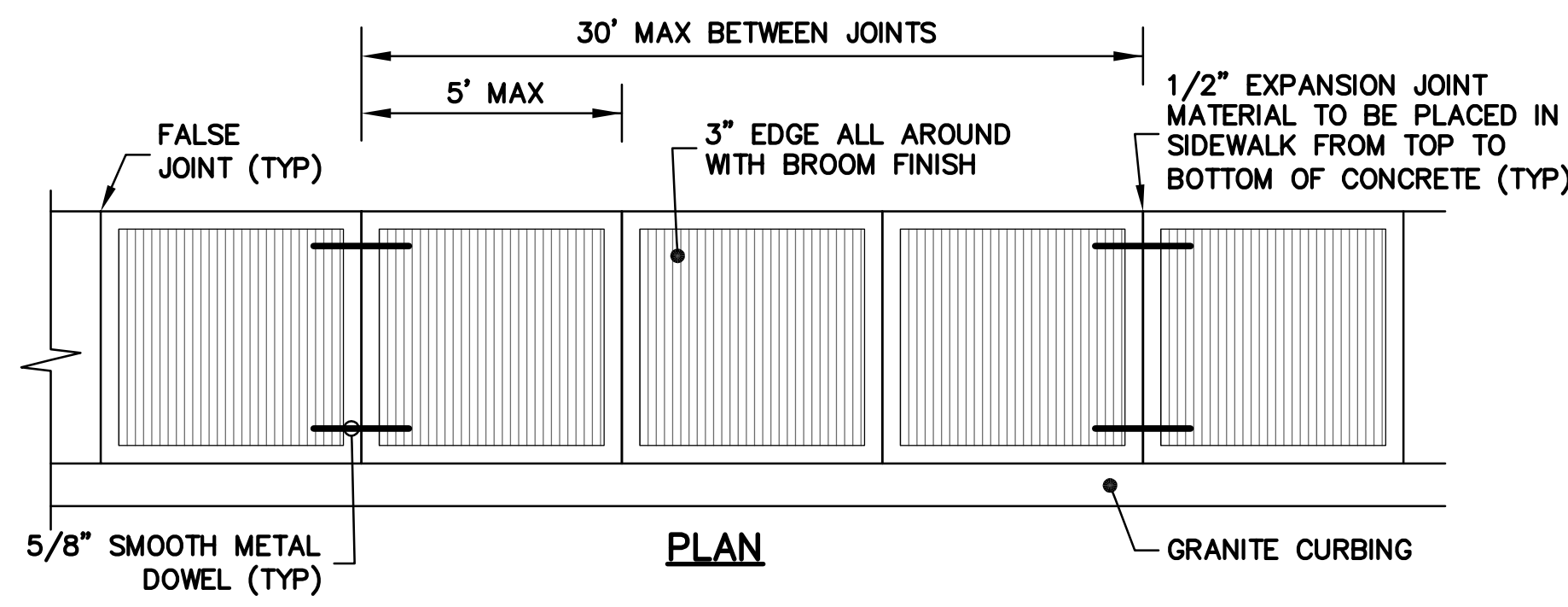
REGISTERED PROFESSIONAL ENGINEER  
Ch. B. Weston  
DATE



CADD NO.	CONTRACT	SCALE	CONWAY FIELD	AS NOTED	DR. BY	CHK. BY	APP. BY	CBW

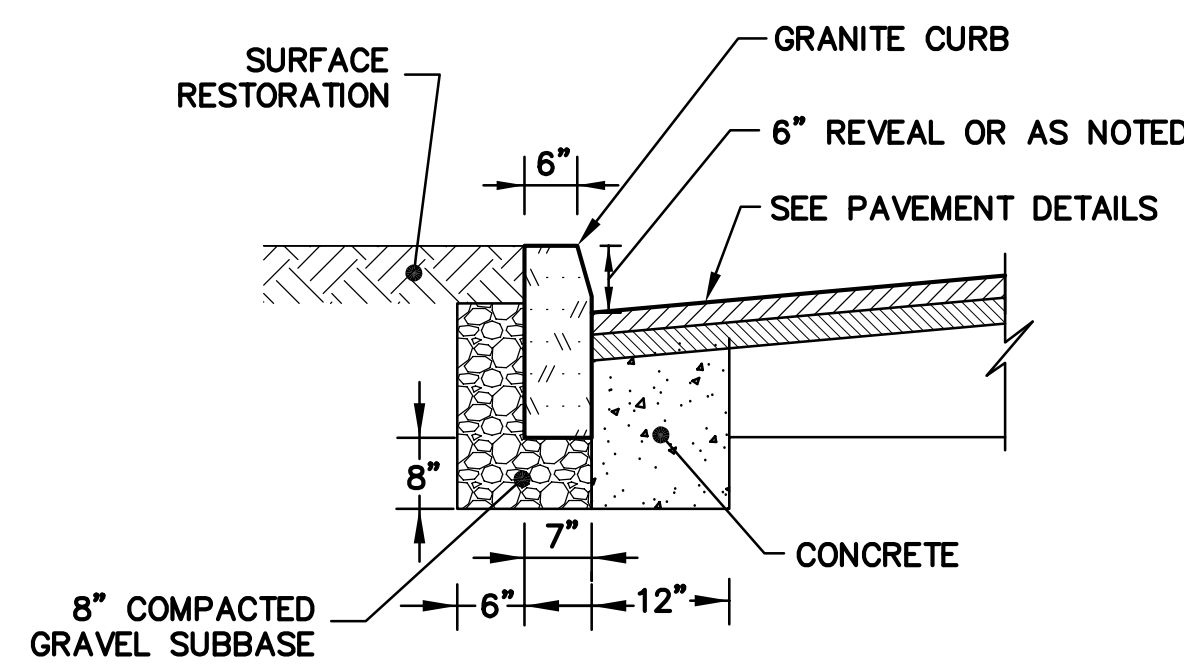
TOWN OF CONWAY, MASSACHUSETTS  
BOARD OF SELECTMEN  
CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT  
DETAILS

FILE NO.
C-1



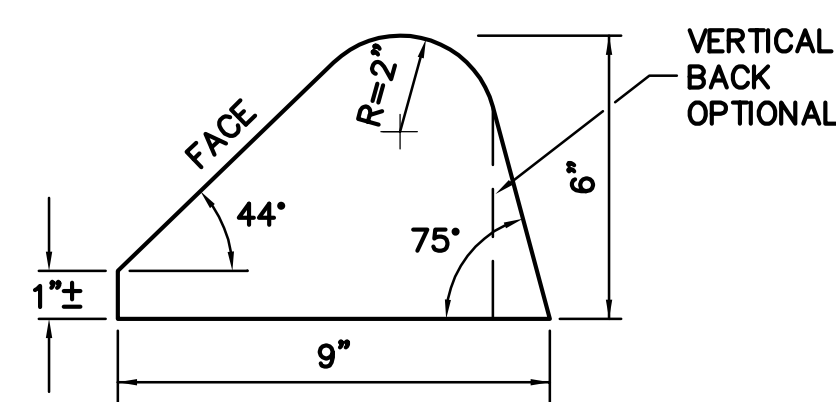
- NOTES:**
1. PROVIDE STRAIGHT, CURVED, RETURN AND CURB INLET AS REQUIRED.
  2. AT ACADEMY HILL ROAD, SAWCUT EXISTING PAVEMENT 1' AND PROVIDE 4\"/>

**CONCRETE SIDEWALK AND GRANITE CURB DETAIL**  
N.T.S.

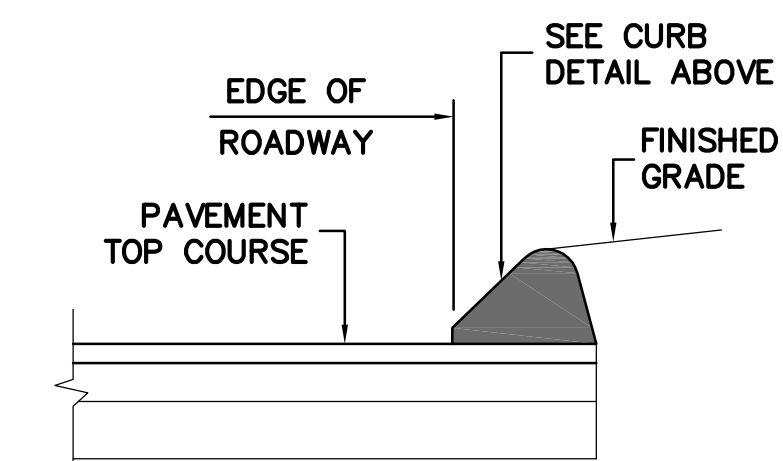


- NOTES:**
1. PROVIDE STRAIGHT, CURVED, RETURN AND CURB INLET AS REQUIRED.

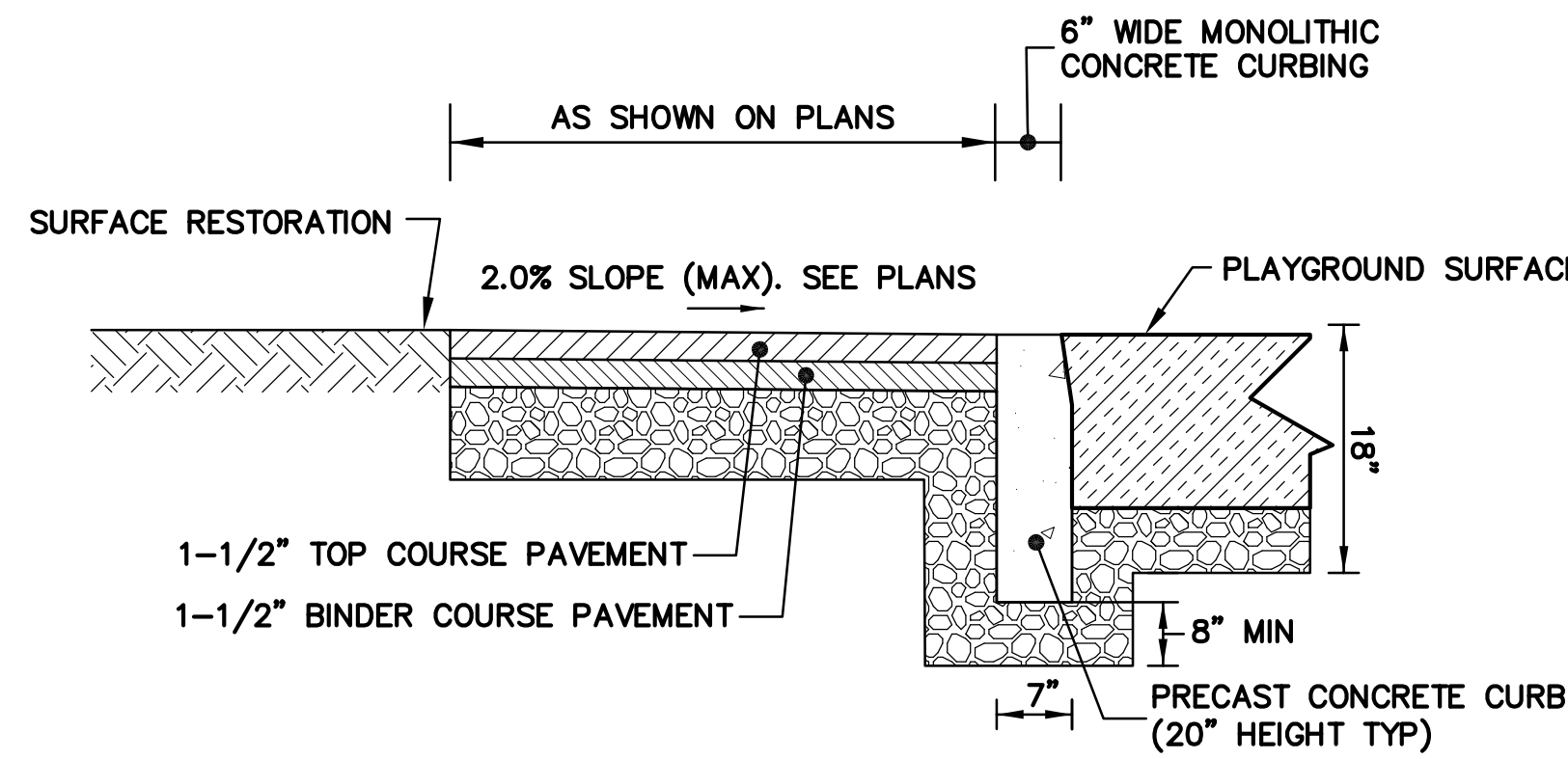
**GRANITE CURB DETAIL**  
N.T.S.



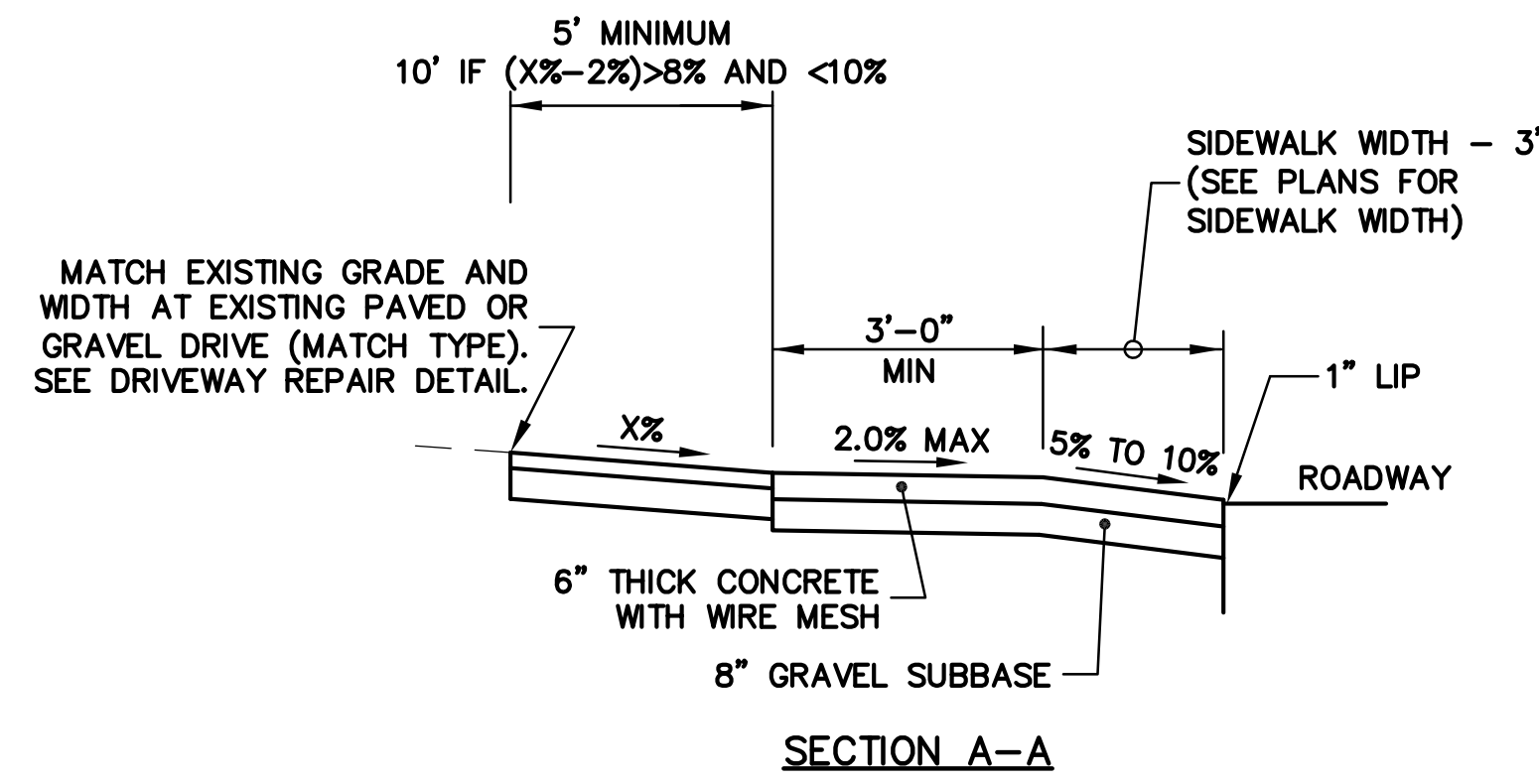
**CURB DETAIL**  
CURB IS TYPE-2 PER MASSDOT CONSTRUCTION STANDARDS



**BITUMINOUS CONCRETE CURB**  
N.T.S.

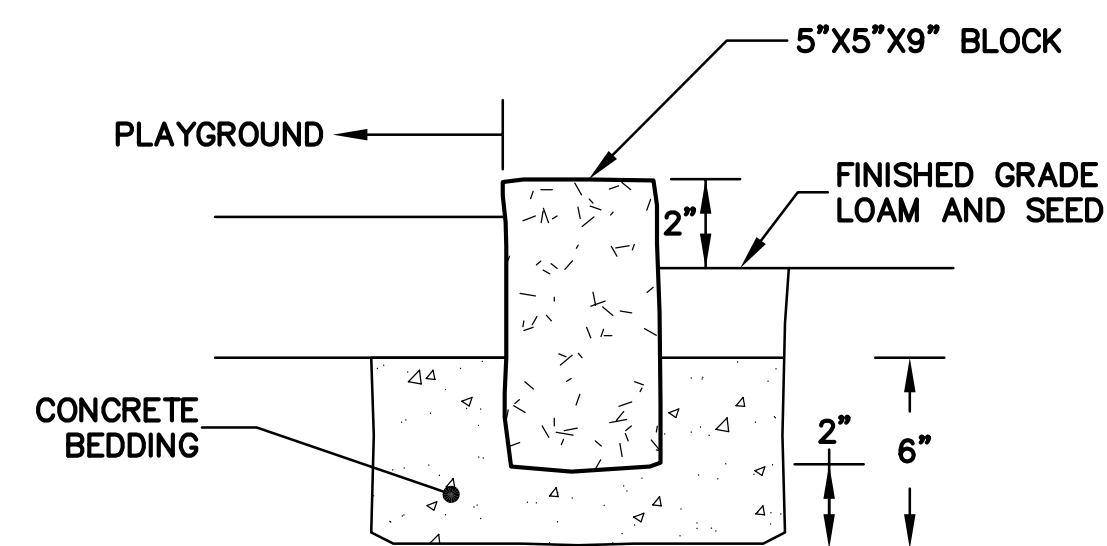


**BITUMINOUS SIDEWALK AND PRECAST CONCRETE CURB DETAIL**  
N.T.S.



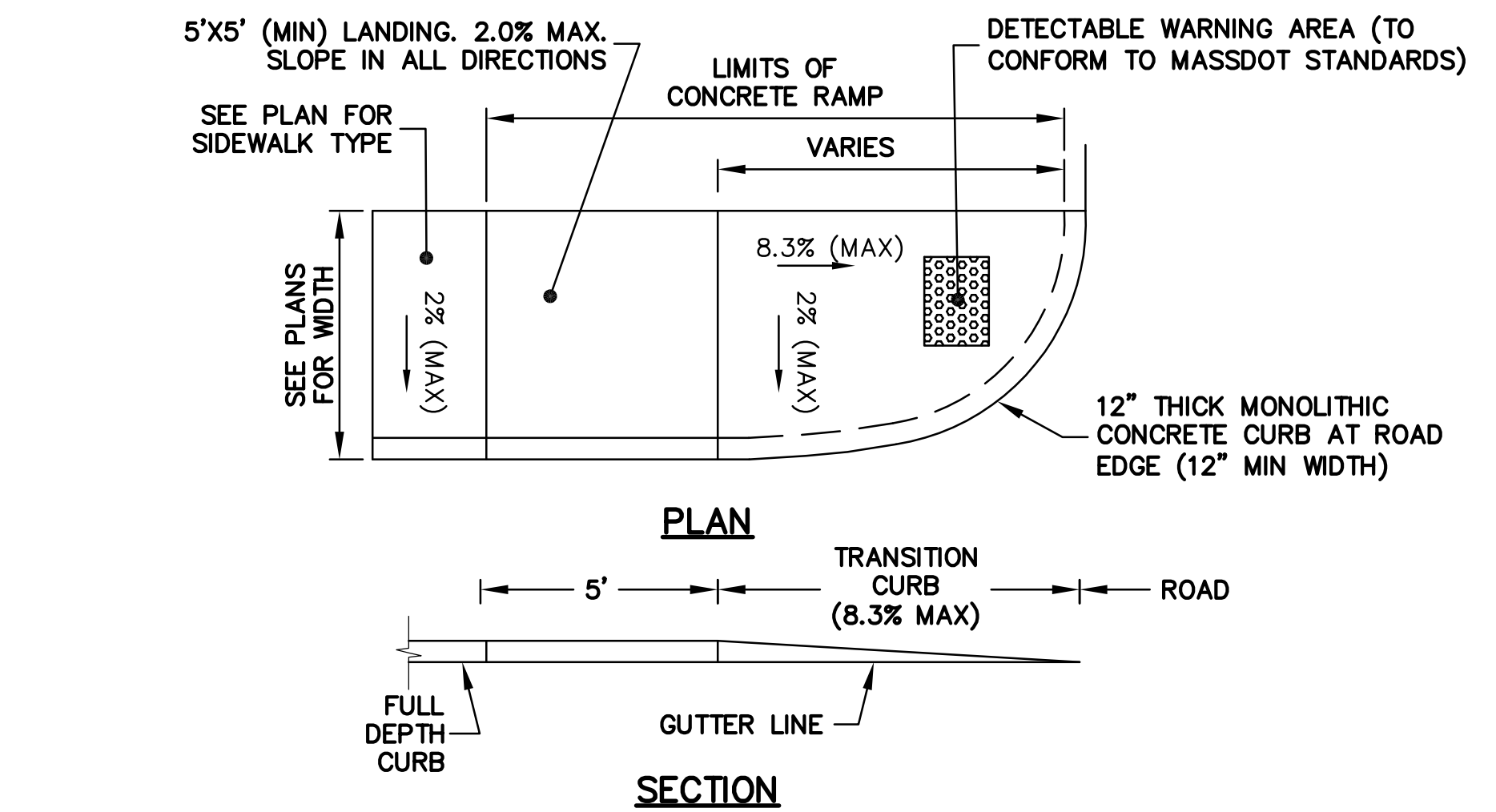
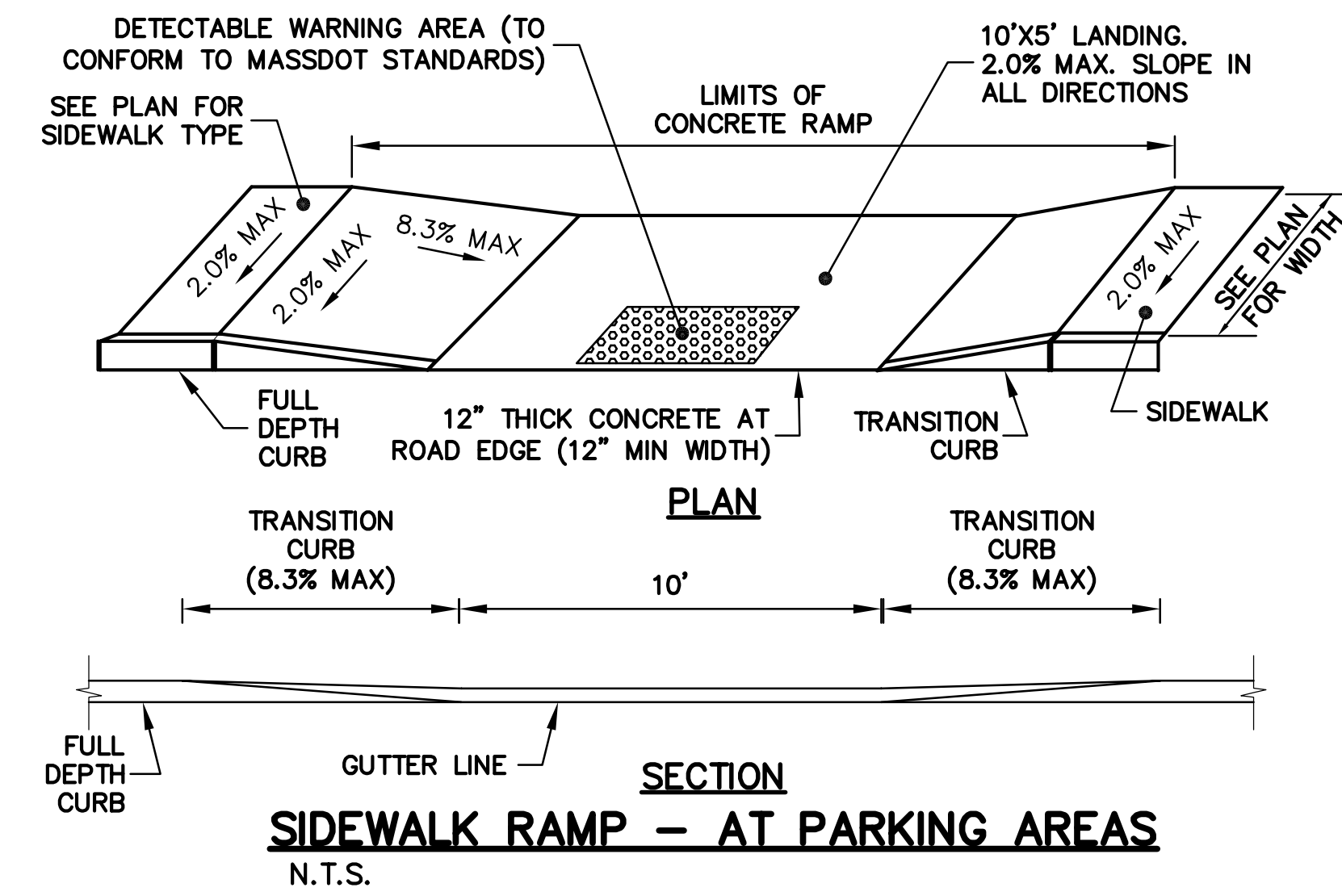
- NOTES:**
1. CONTRACTOR TO CONFIRM EXISTING GRADES AND NOTIFY ENGINEER IF ANY SLOPES EXCEED THOSE SHOWN PRIOR TO CONSTRUCTION.
  2. IF X%-2% IS GREATER THAN 10% THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION.

**CONCRETE DRIVEWAY APRON DETAIL AT SIDEWALK**  
N.T.S.

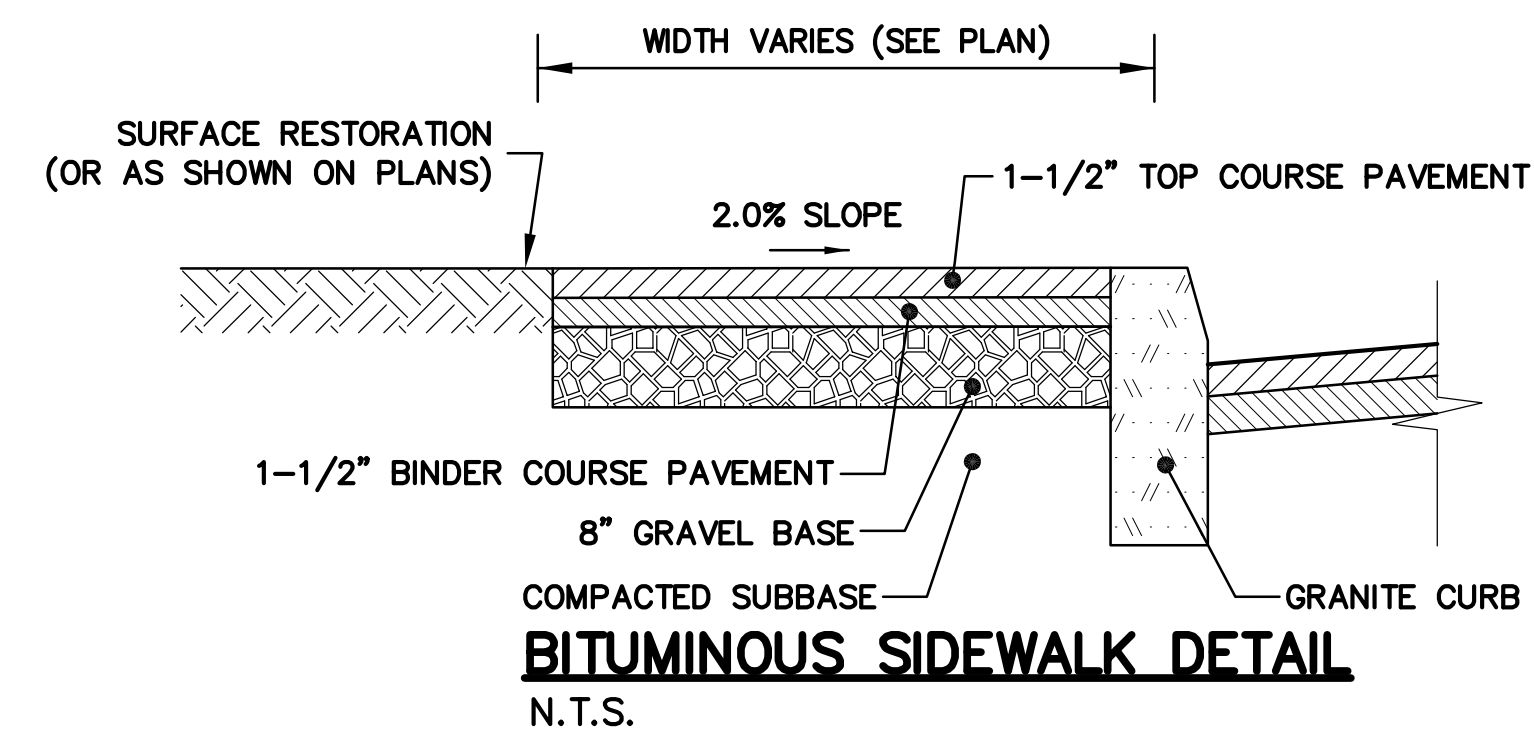


- NOTES:**
1. PLAYGROUND TO BE EDGED WITH BLOCK WHERE THERE IS NO SIDEWALK

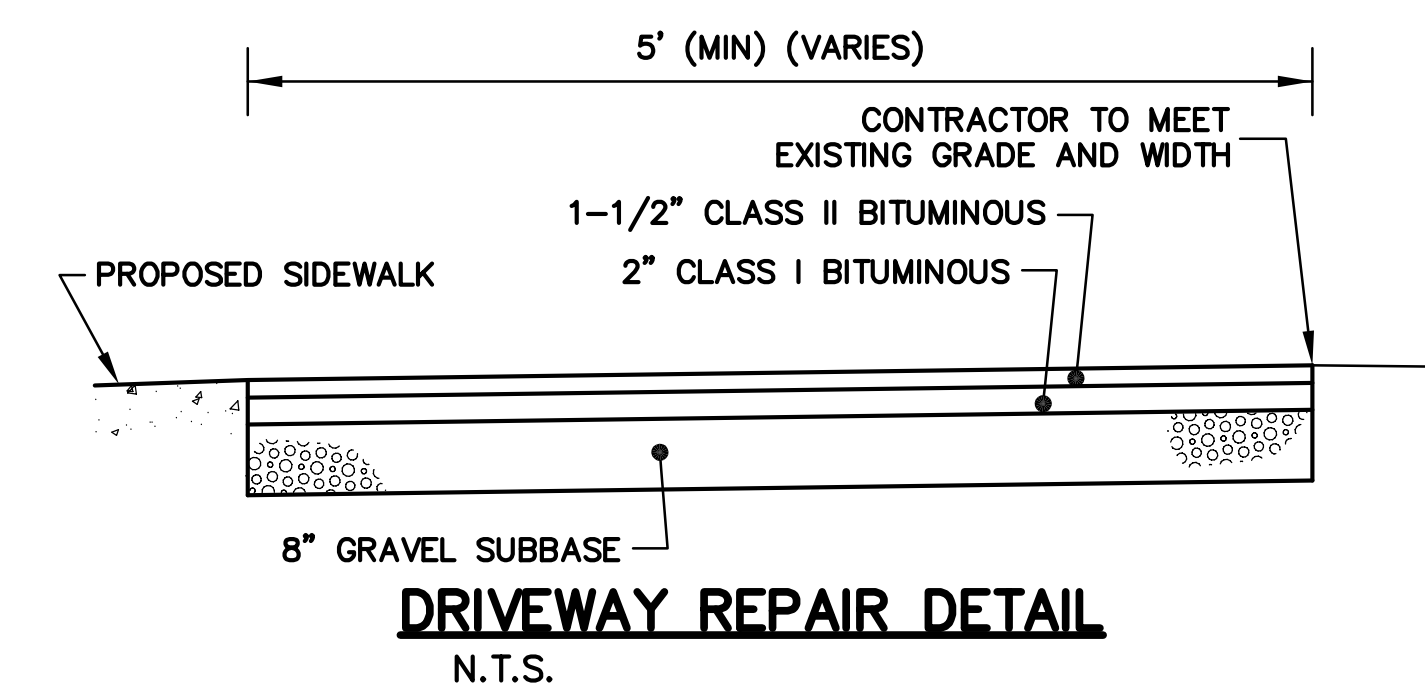
**BLOCK EDGING DETAIL**  
N.T.S.



**SIDEWALK RAMP - TERMINAL TYPE 1**  
N.T.S.

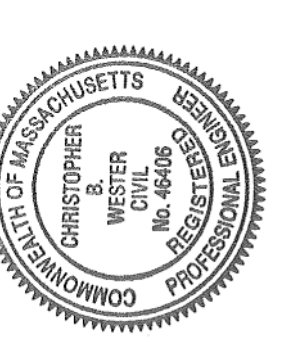


**BITUMINOUS SIDEWALK DETAIL**  
N.T.S.

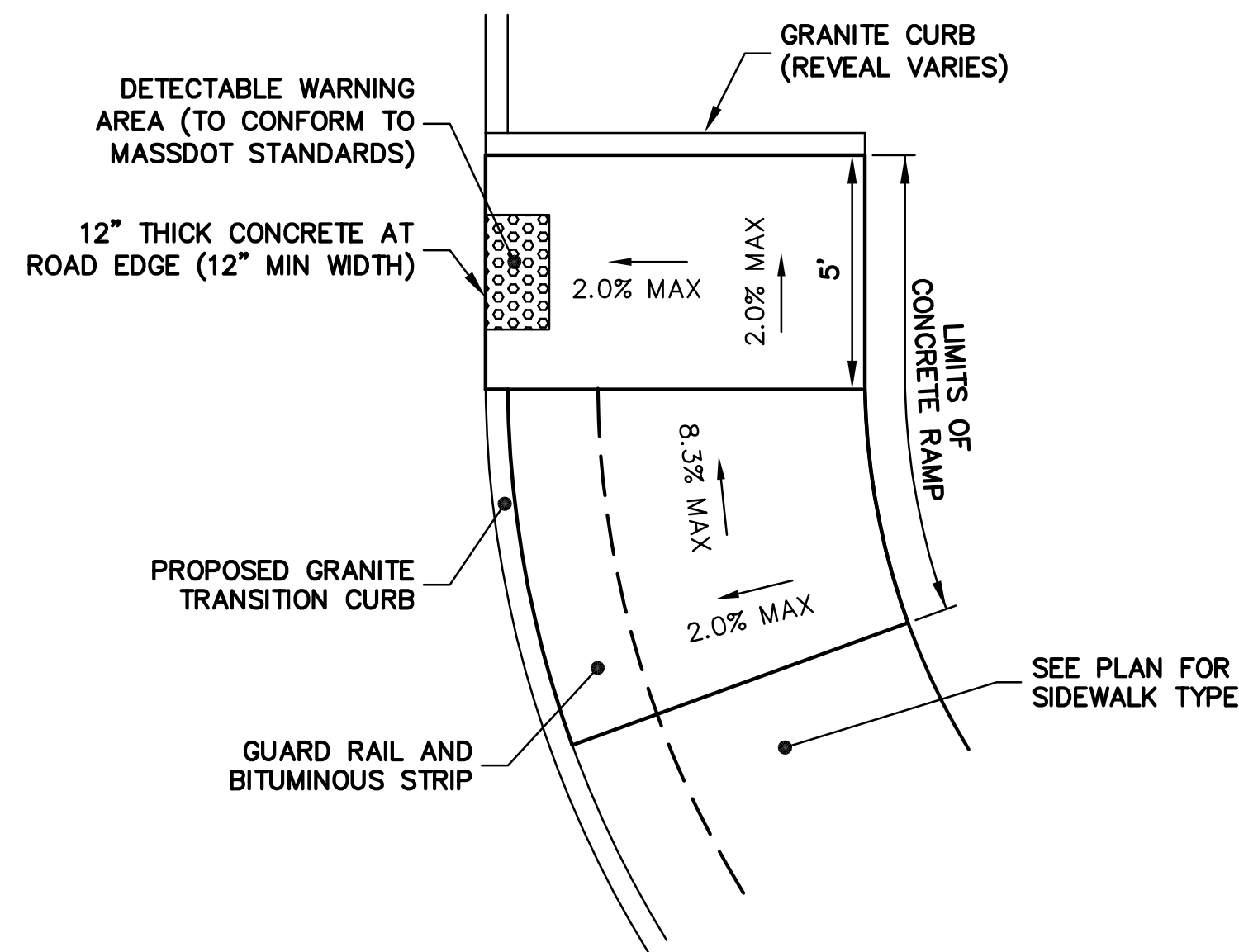


**DRIVEWAY REPAIR DETAIL**  
N.T.S.

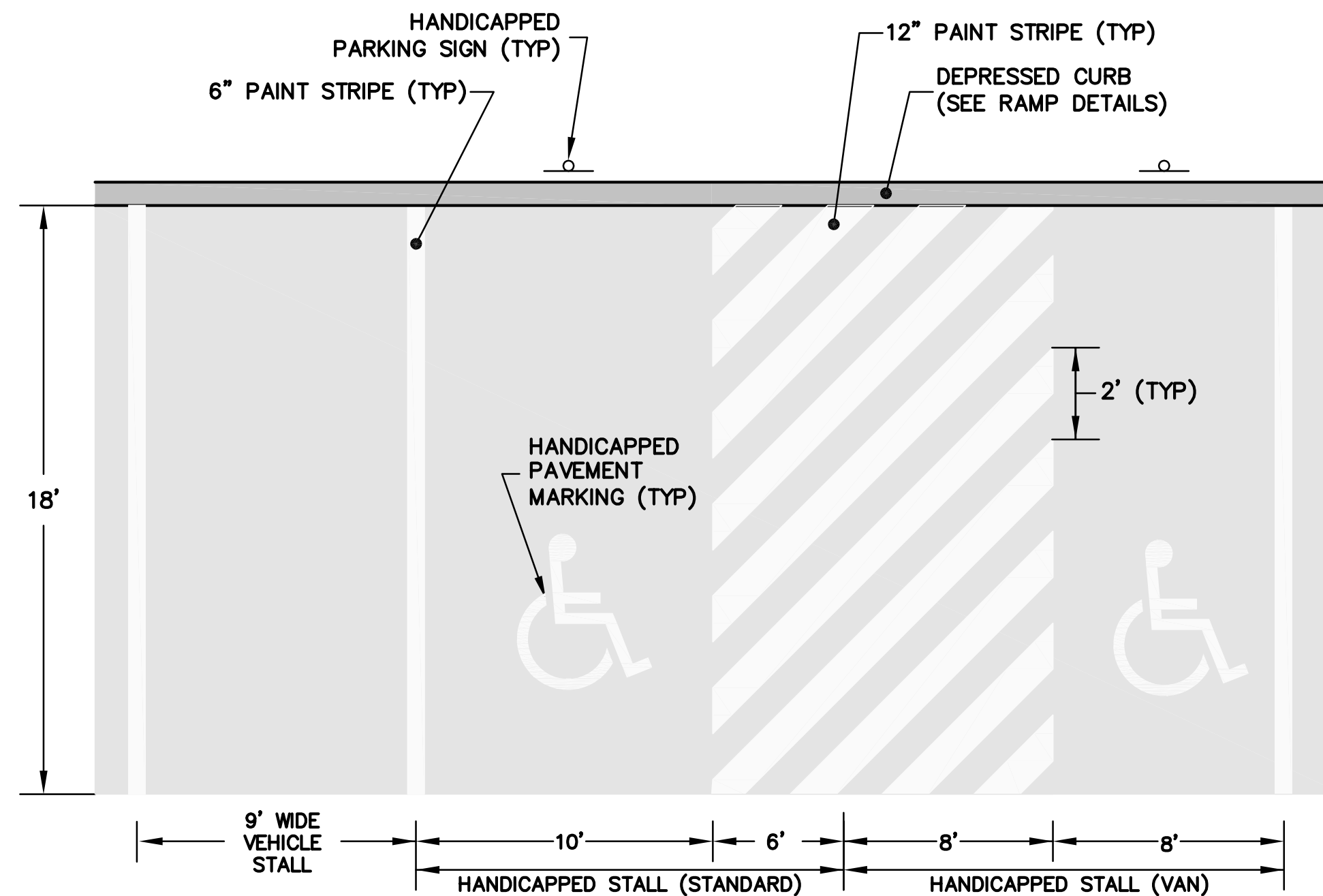
No.	Date	Dr. By	Ck. By	App. By	Description



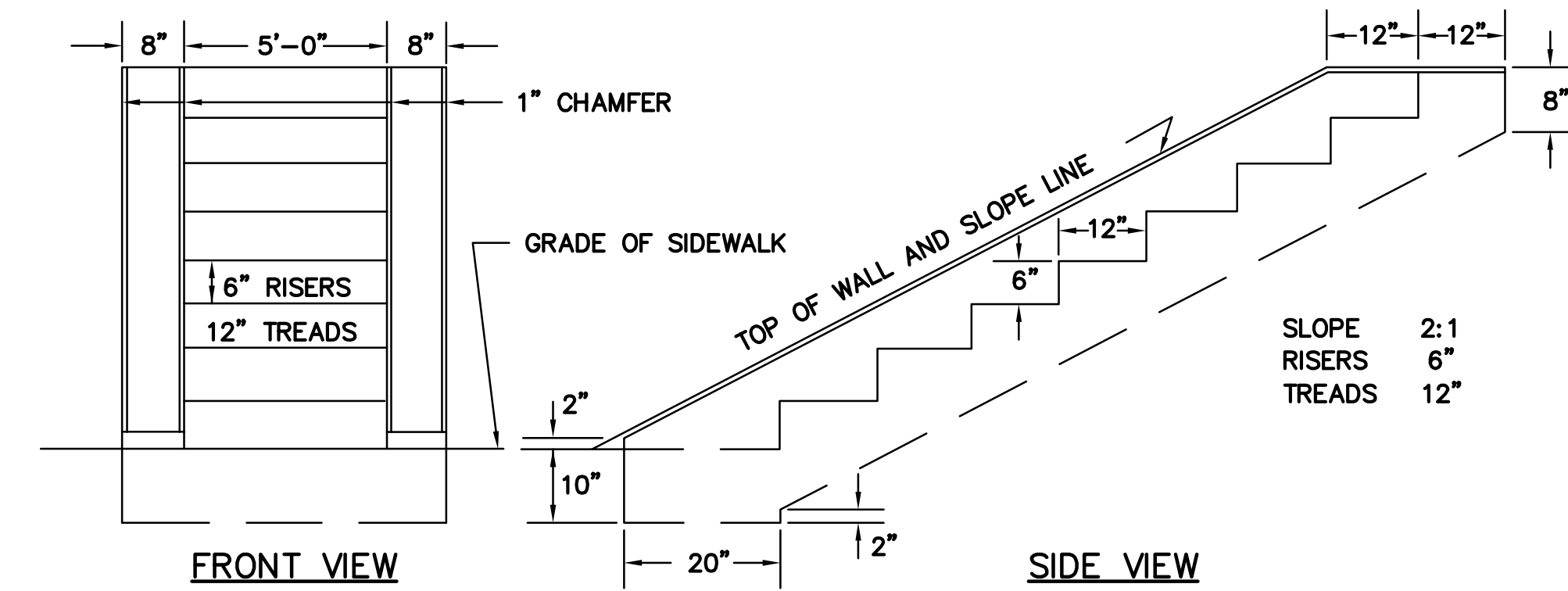
TOWN OF CONWAY, MASSACHUSETTS BOARD OF SELECTMEN	CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT	SCALE: AS NOTED	CONTRACT: CONWAY FIELD	FILE NO. C-8
DR. BY: WGS	CHK. BY: WGS	APP. BY: CBW	DR. BY: WGS	FILE NO. C-8
JOB NO. 2120504	CONTRACT: CONWAY FIELD	SCALE: AS NOTED	FILE NO. C-8	FILE NO. C-8



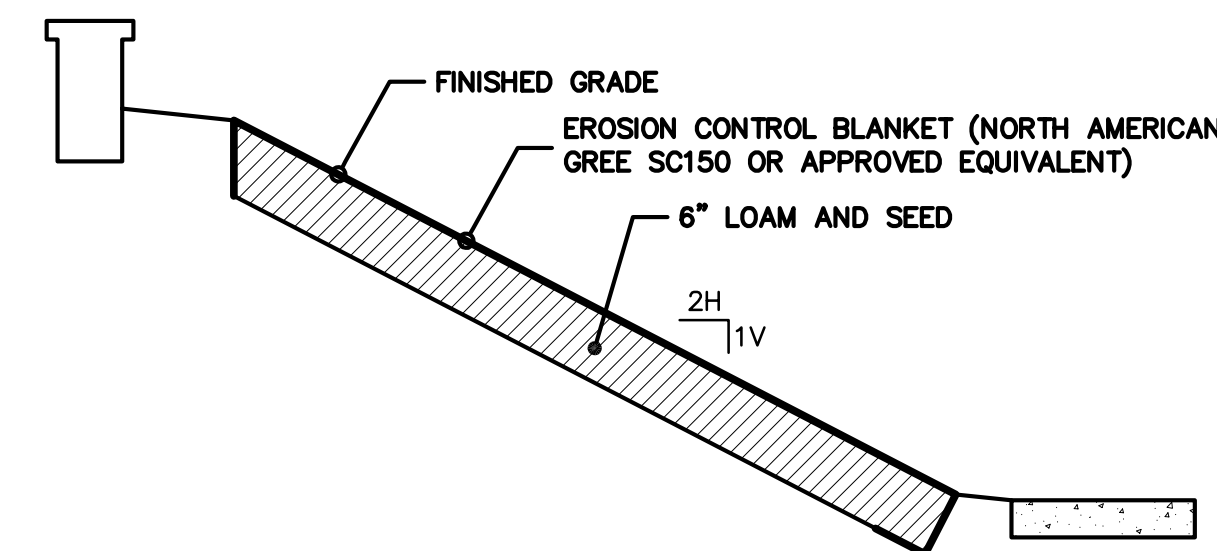
**SIDEWALK RAMP - TERMINAL TYPE 2**  
 N.T.S.



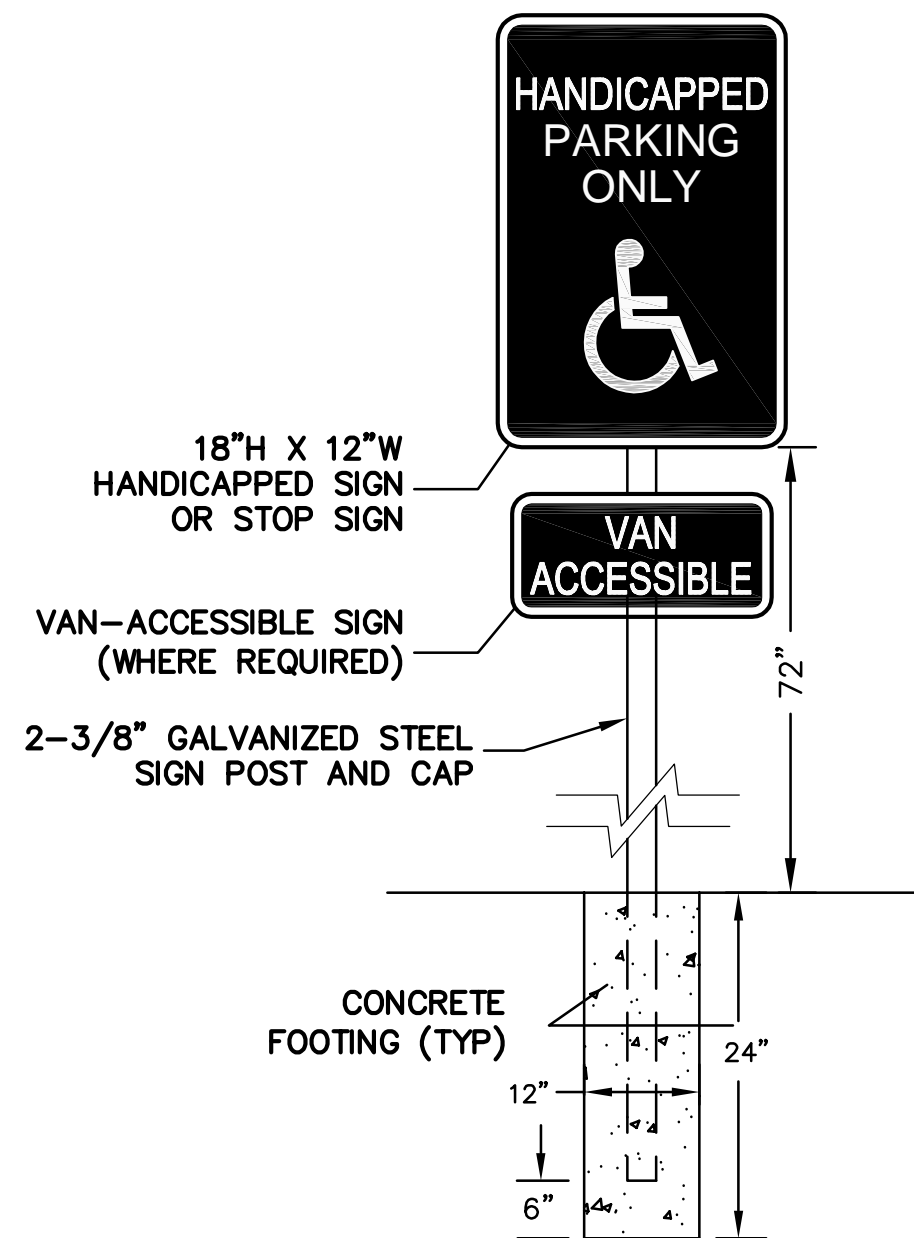
**PARKING STALL DETAIL**  
 N.T.S.



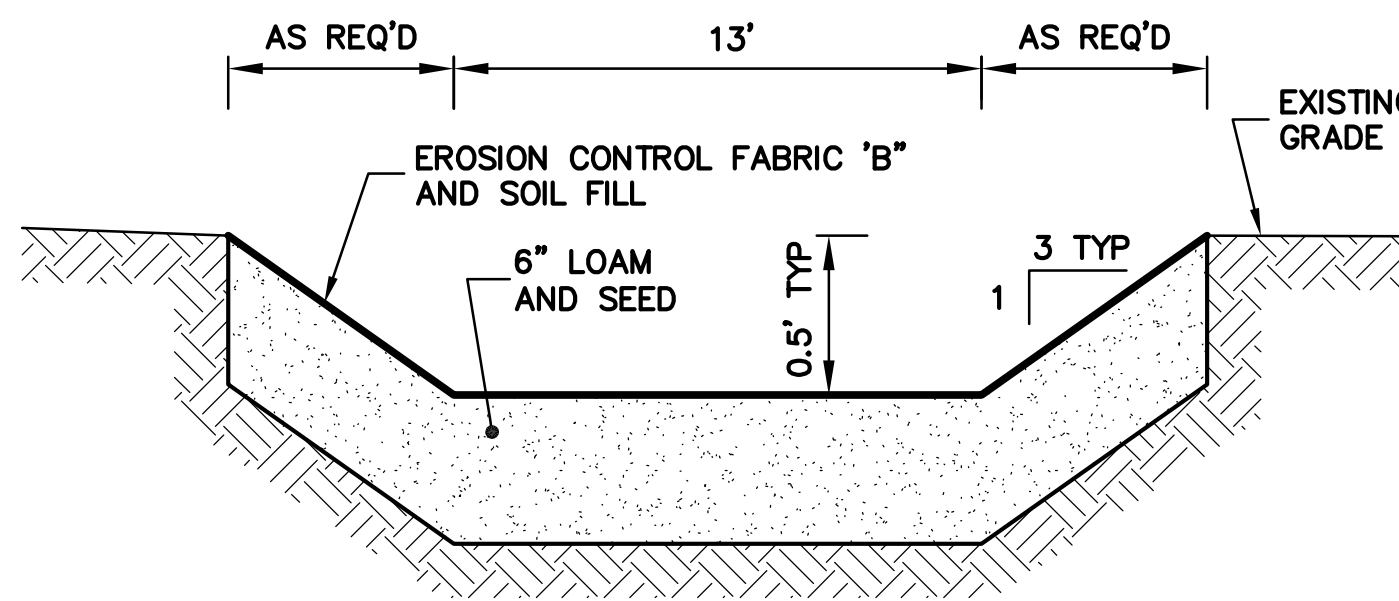
NOTES:  
 1. SEE MASSDOT E 304.2.0 FOR REINFORCEMENT REQUIREMENTS.  
**CEMENT CONCRETE STEPS**  
 N.T.S.



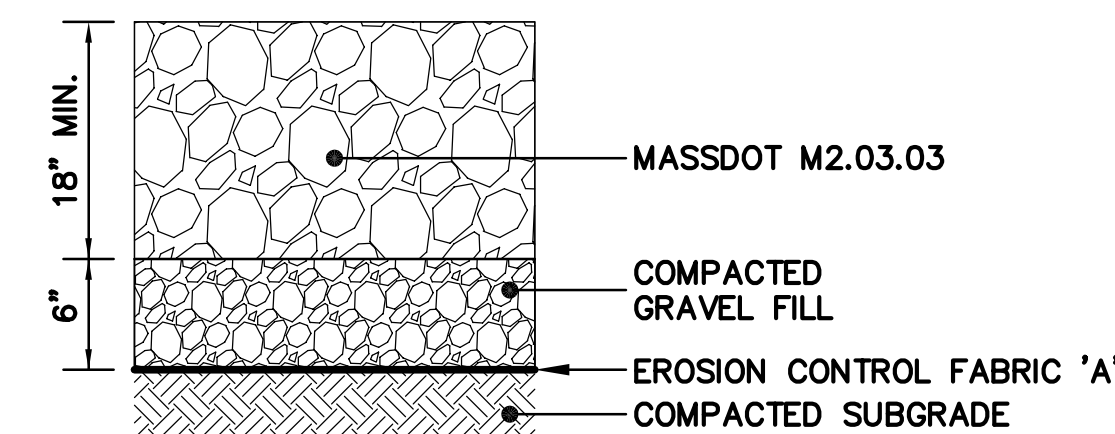
NOTES:  
 1. PROVIDE SLOPE STABILIZATION ON ALL SLOPES 2H:1V OR GREATER  
**STABILIZED GRASSED SLOPE DETAIL**  
 N.T.S.



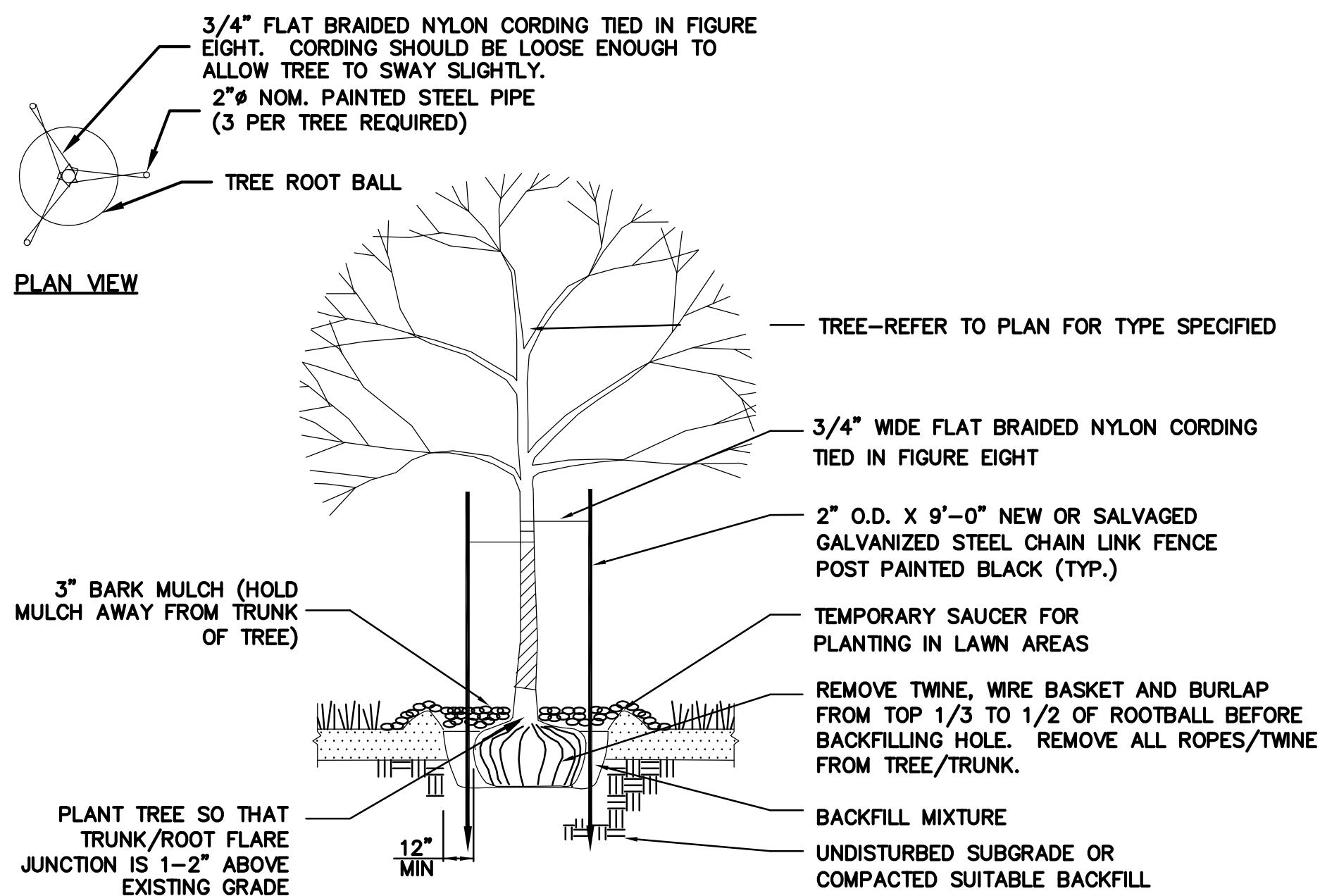
**PARKING SIGN AND POST DETAIL**  
 N.T.S.



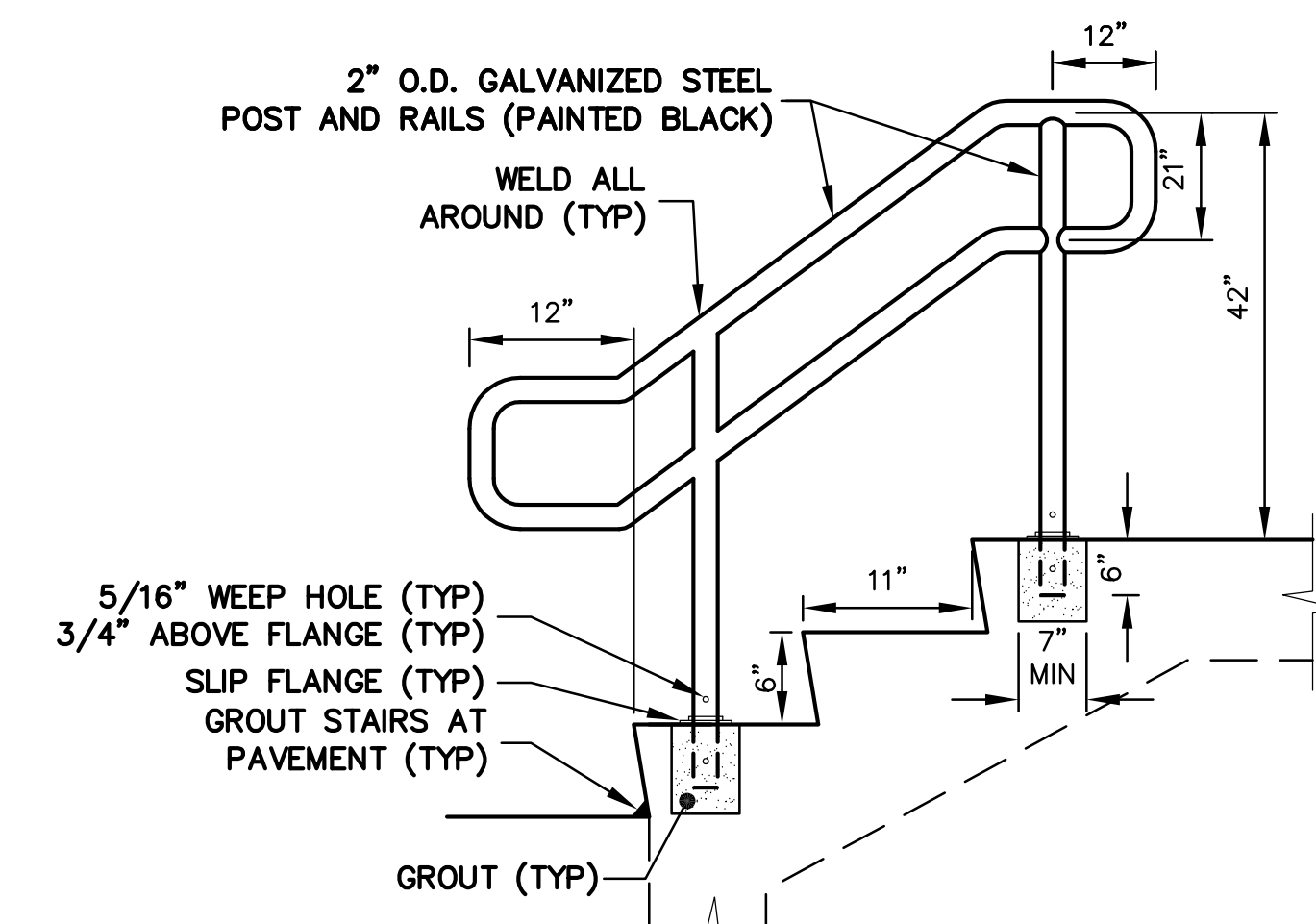
NOTES:  
 1. SEE PLAN FOR LOCATION.  
 2. SEED MIX TO BE NEW ENGLAND CONSERVATION/WILDLIFE MIX.  
**TYPICAL VEGETATED SWALE DETAIL**  
 N.T.S.



**TYPICAL RIPRAP SECTION**  
 N.T.S.



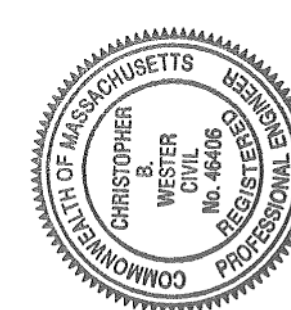
**TREE STAKING AND PLANTING DETAIL**  
 N.T.S.



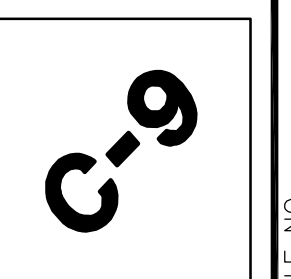
NOTES:  
 1. STEPS TO BE 5 FEET WIDE.  
 2. PIPE RAIL TO BE STERLING FABRICATED SYSTEMS, INC OR APPROVED EQUIVALENT.  
 3. INSTALLATION OF POSTS AND RAILS SHALL BE AS REQUIRED BY THE MANUFACTURER.  
 4. HANDRAIL SHALL MEET BUILDING CODE AND ADA REQUIREMENTS.  
 5. CONTRACTOR TO SUBMIT ALL FABRICATION DETAILS AND SPECIFICATIONS FOR SHOP DRAWINGS.  
 6. SEE DRAWINGS FOR NUMBER OF STEPS.  
**HANDRAIL DETAIL**  
 N.T.S.

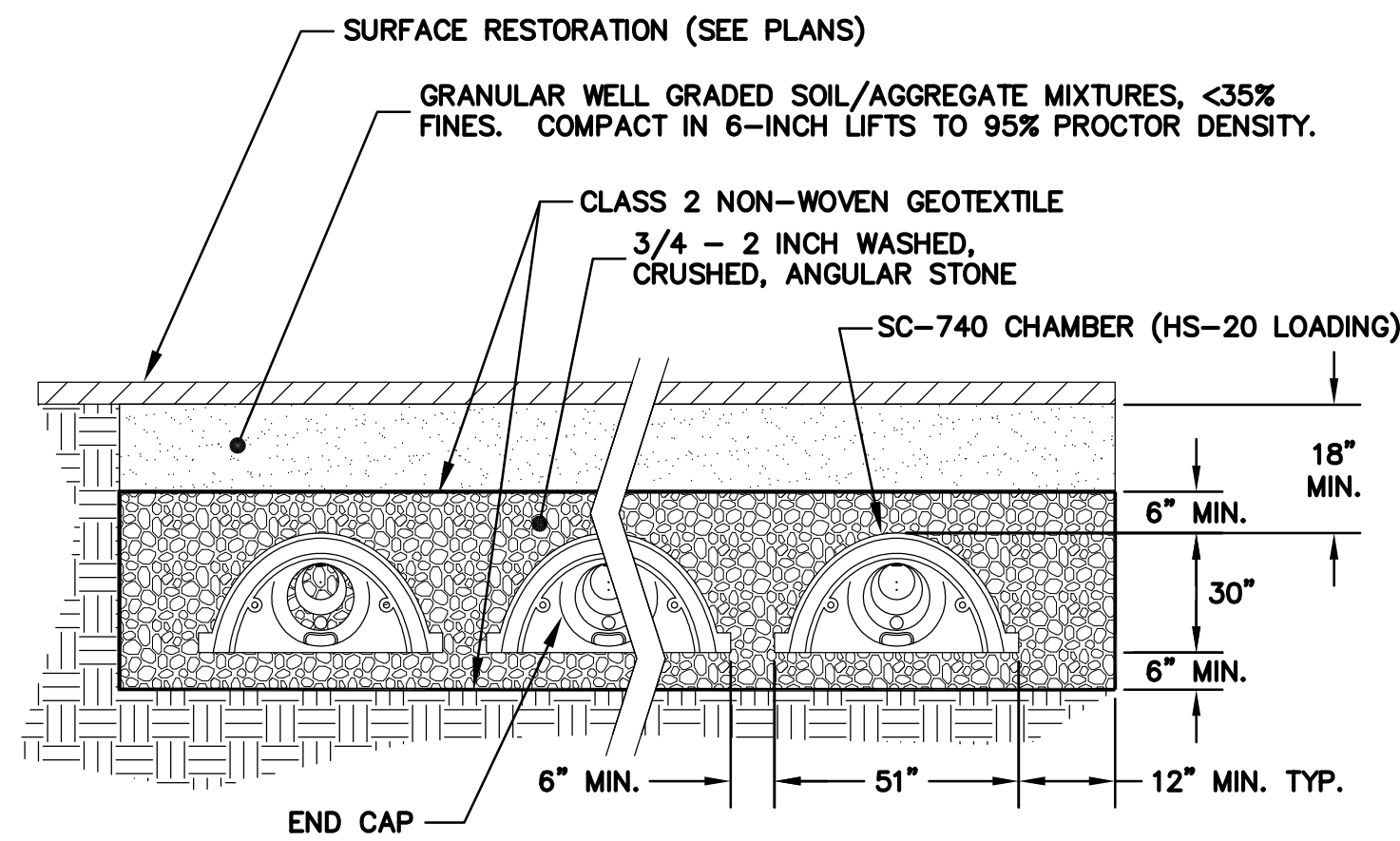
No.	Date	Dr. By	Ck. By	App. By	Description
					A P P R O V E D

REGISTERED PROFESSIONAL ENGINEER  
 DATE

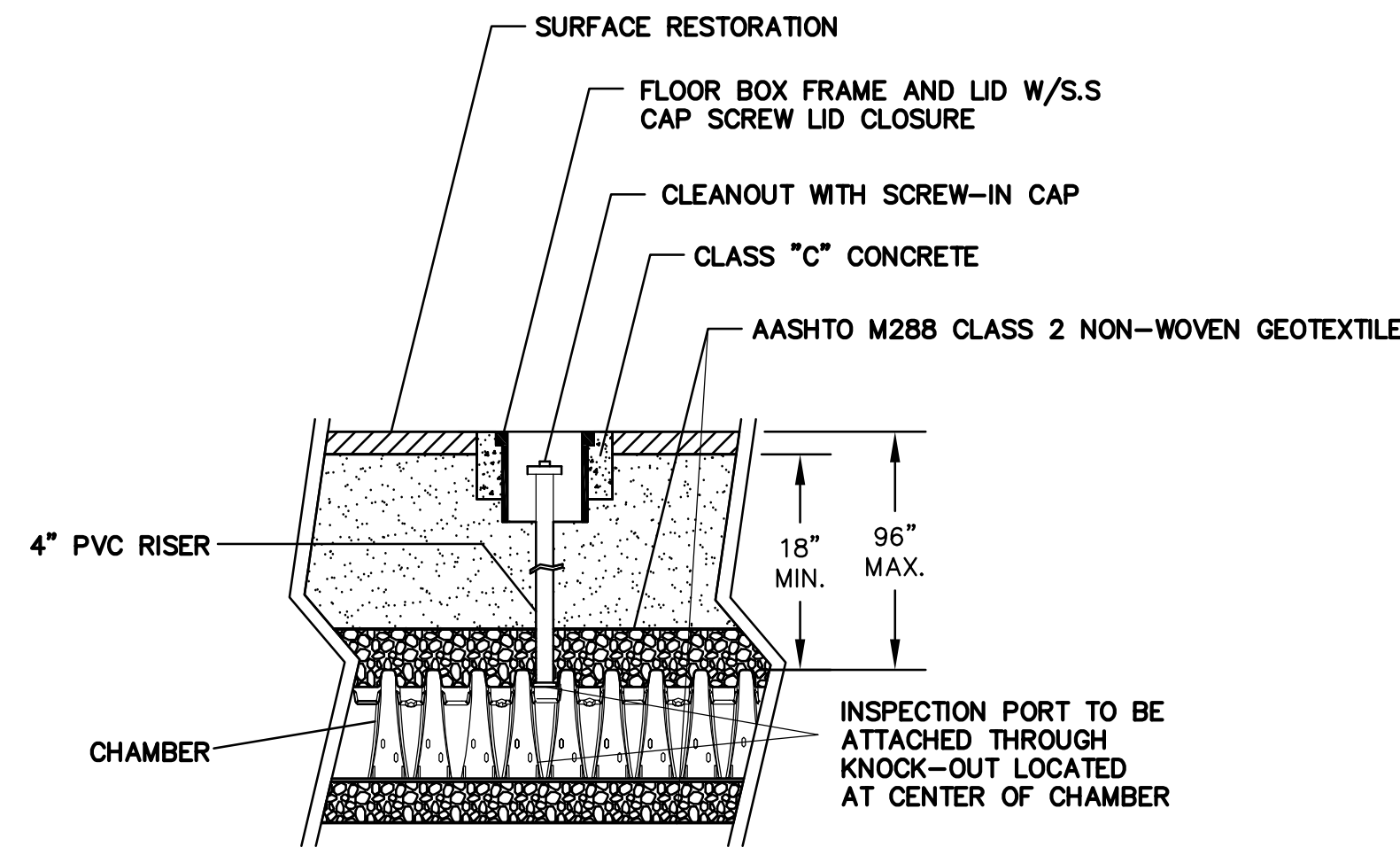


TOWN OF CONWAY, MASSACHUSETTS BOARD OF SELECTMEN	CONWAY FIELD	SCALE: AS NOTED	CONTRACT: 2120504	JOB NO. 2120504	DR. BY: WGS	CHK. BY: WGS	APP. BY: CBW
<b>DETAILS</b>							
CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT							

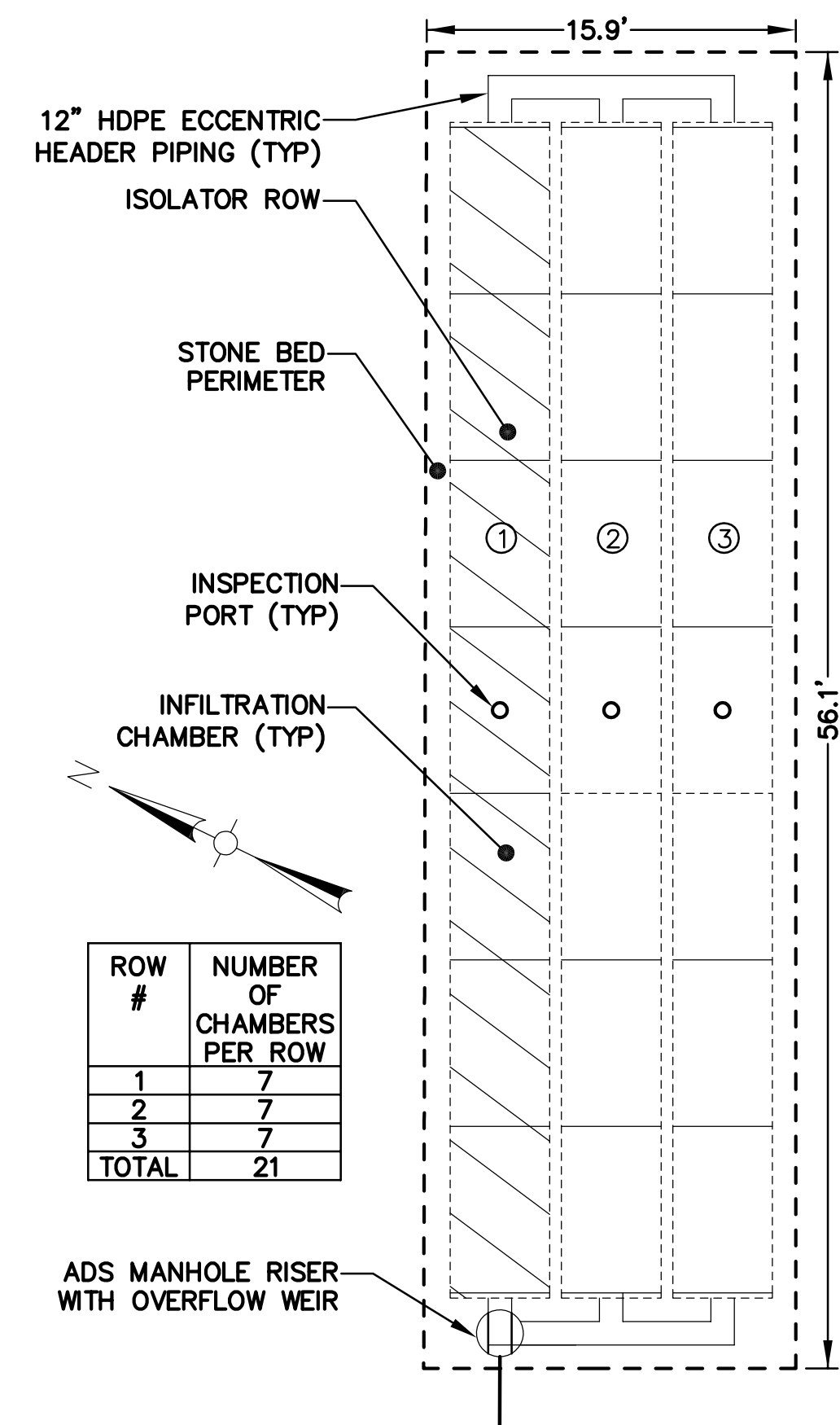




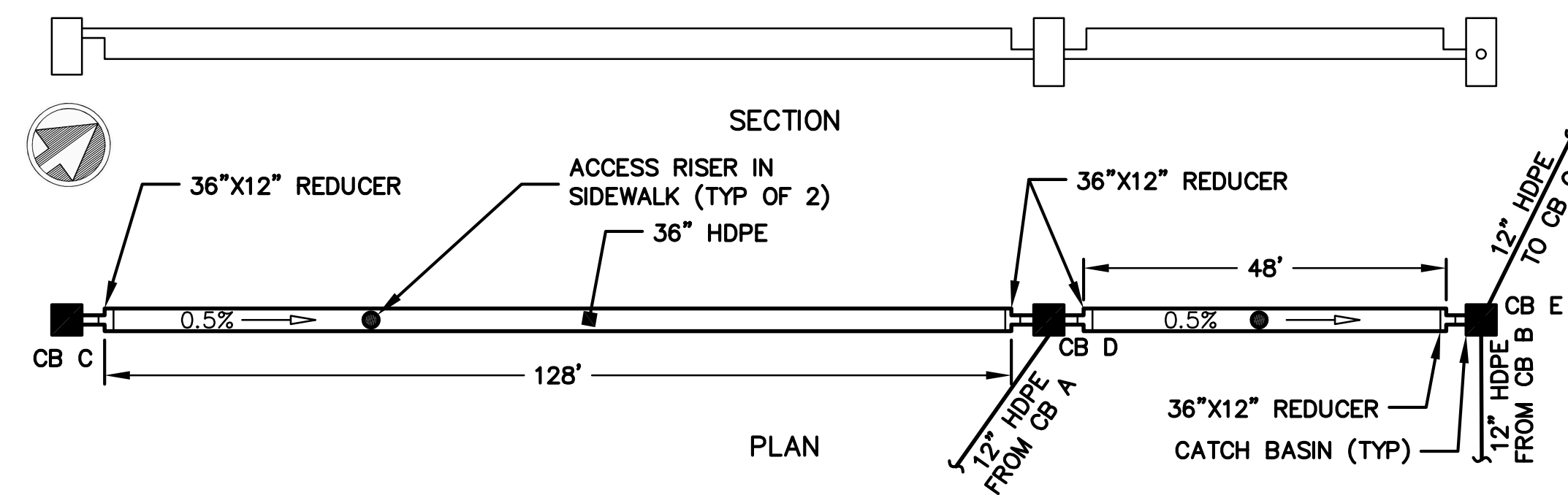
**INFILTRATION CHAMBER SYSTEM  
TYPICAL CROSS SECTION DETAIL**  
N.T.S.



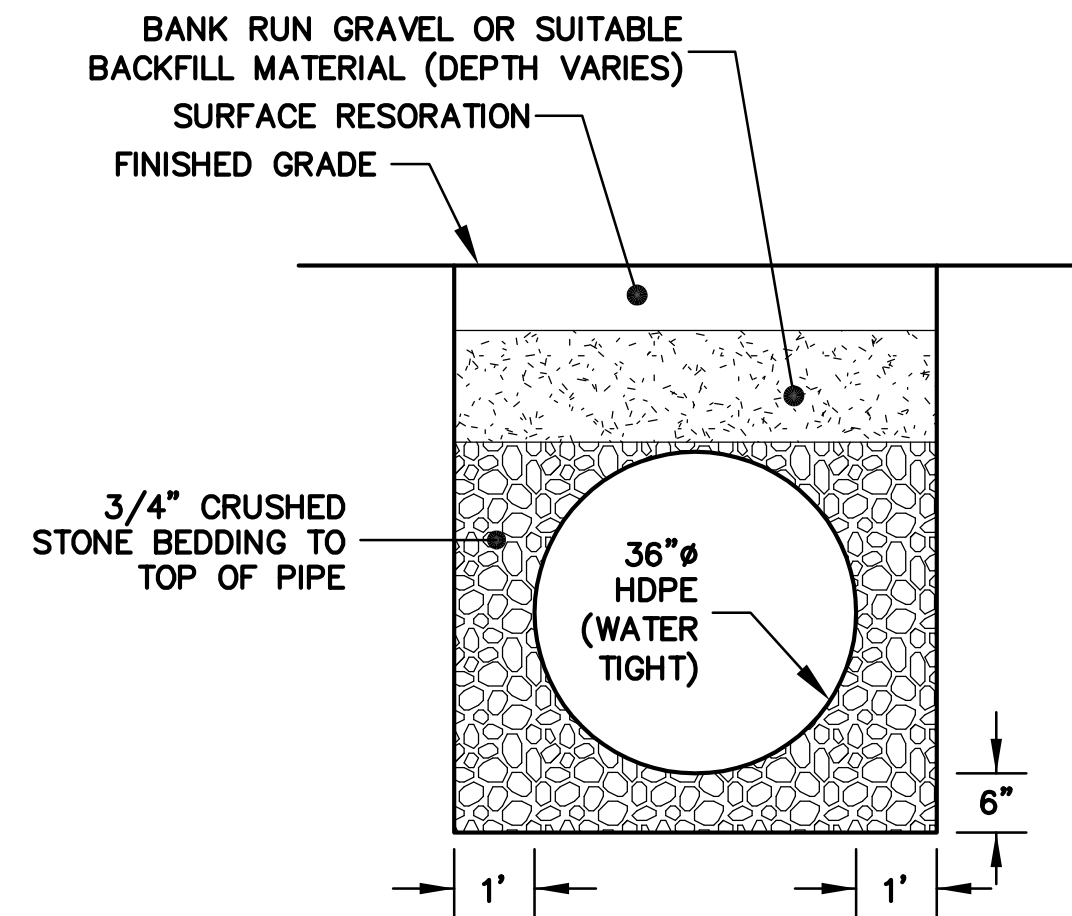
**INFILTRATION CHAMBER SYSTEM  
INSPECTION PORT DETAIL**  
N.T.S.



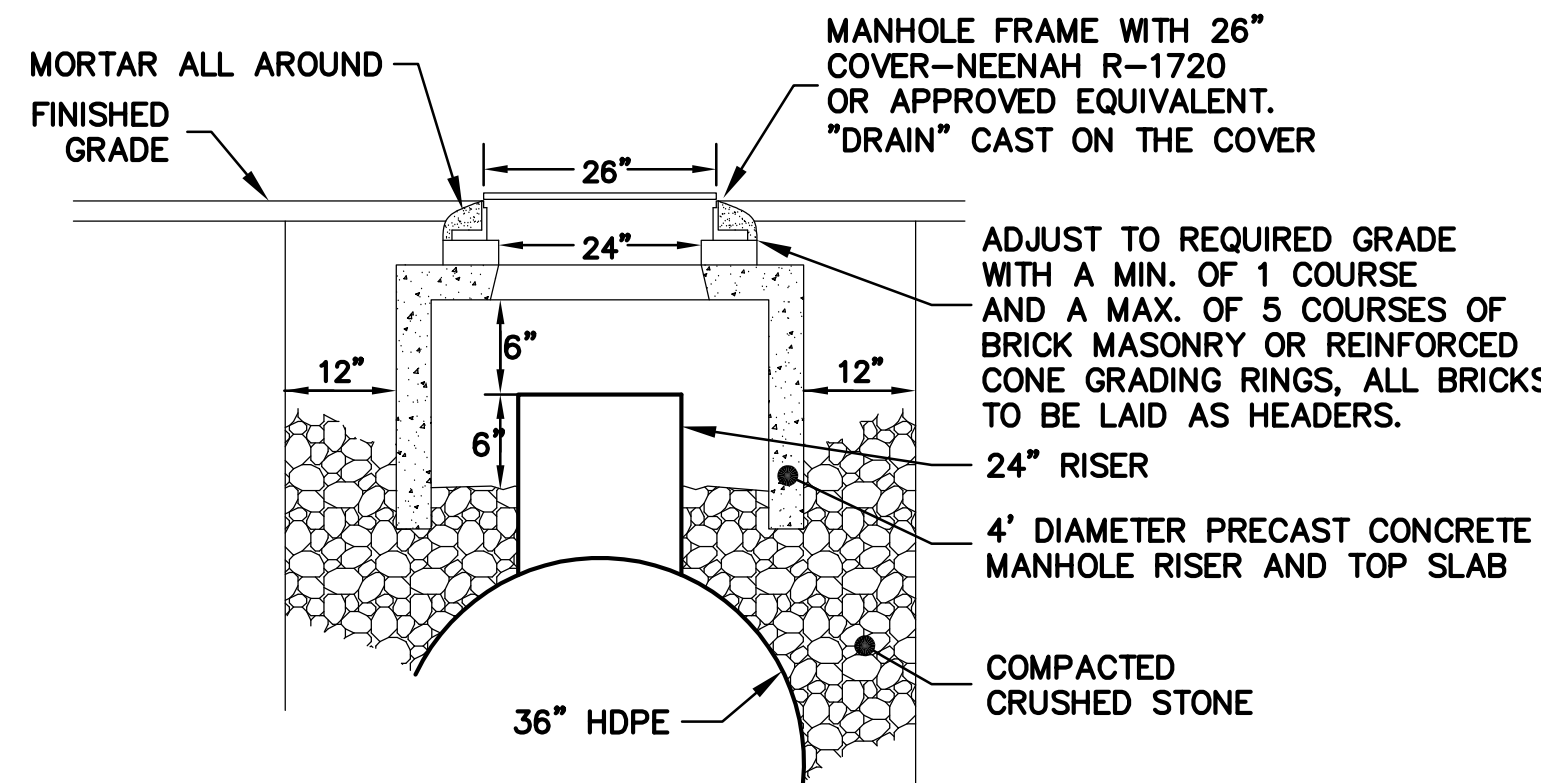
**LOWER PARKING LOT DETENTION/INFILTRATION DETAIL**  
N.T.S.



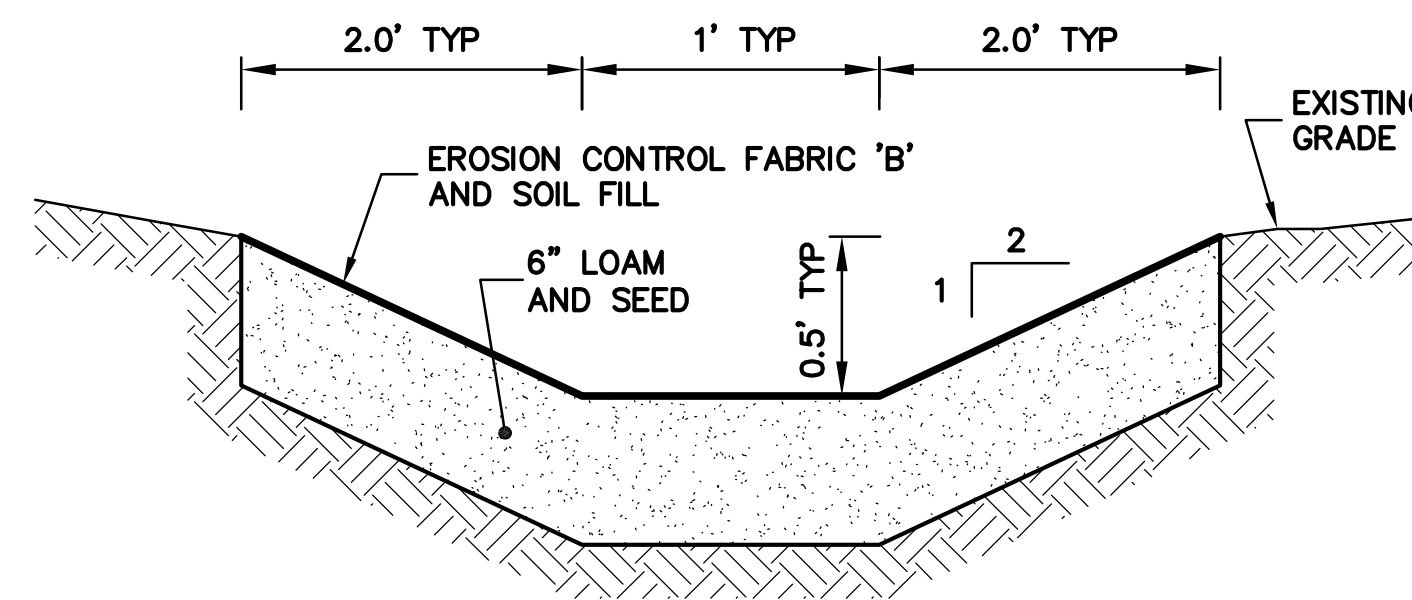
**UPPER PARKING LOT DETENTION PIPING DETAIL**  
N.T.S.



**UPPER PARKING LOT DETENTION  
PIPE INSTALLATION DETAIL**  
N.T.S.

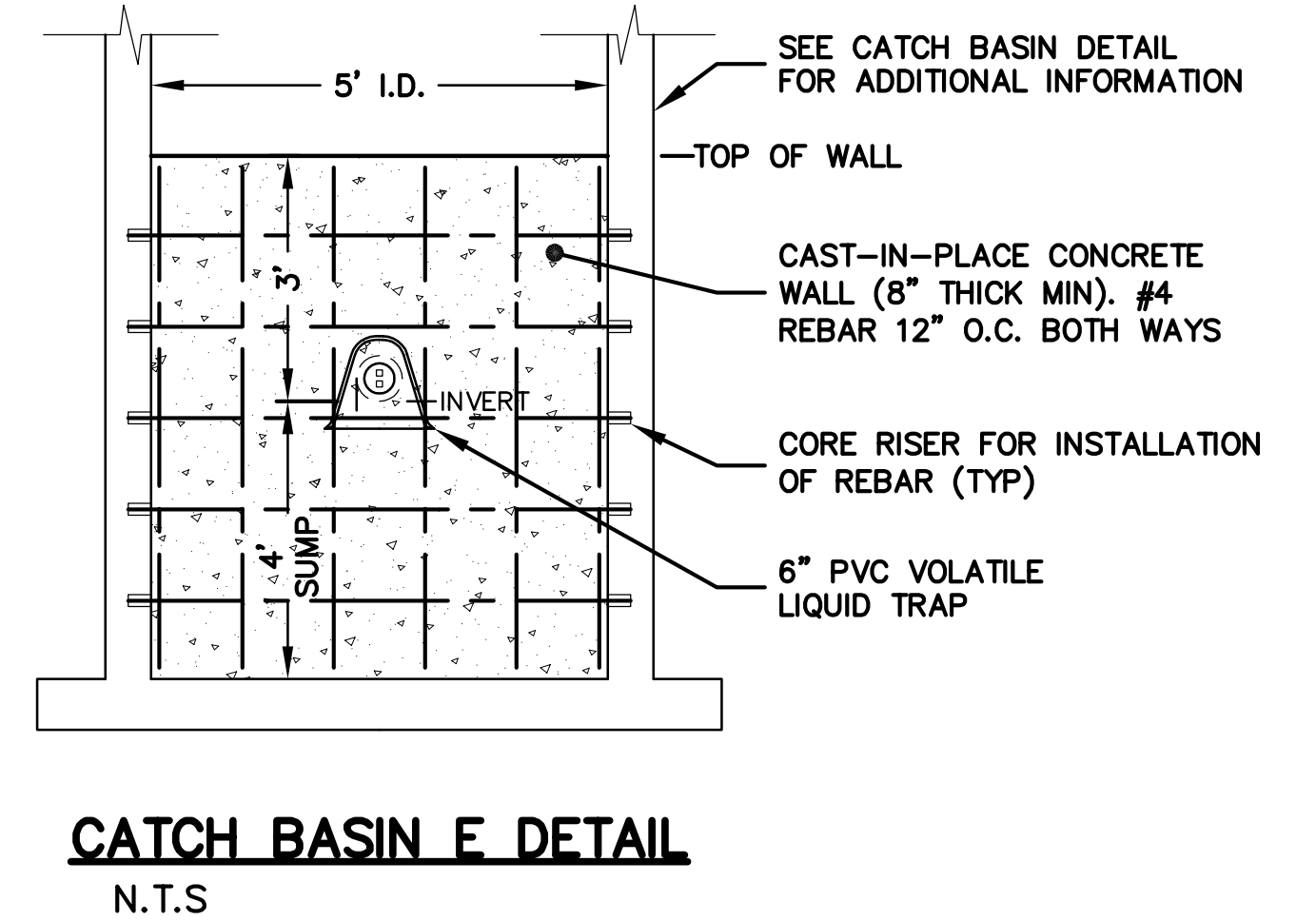
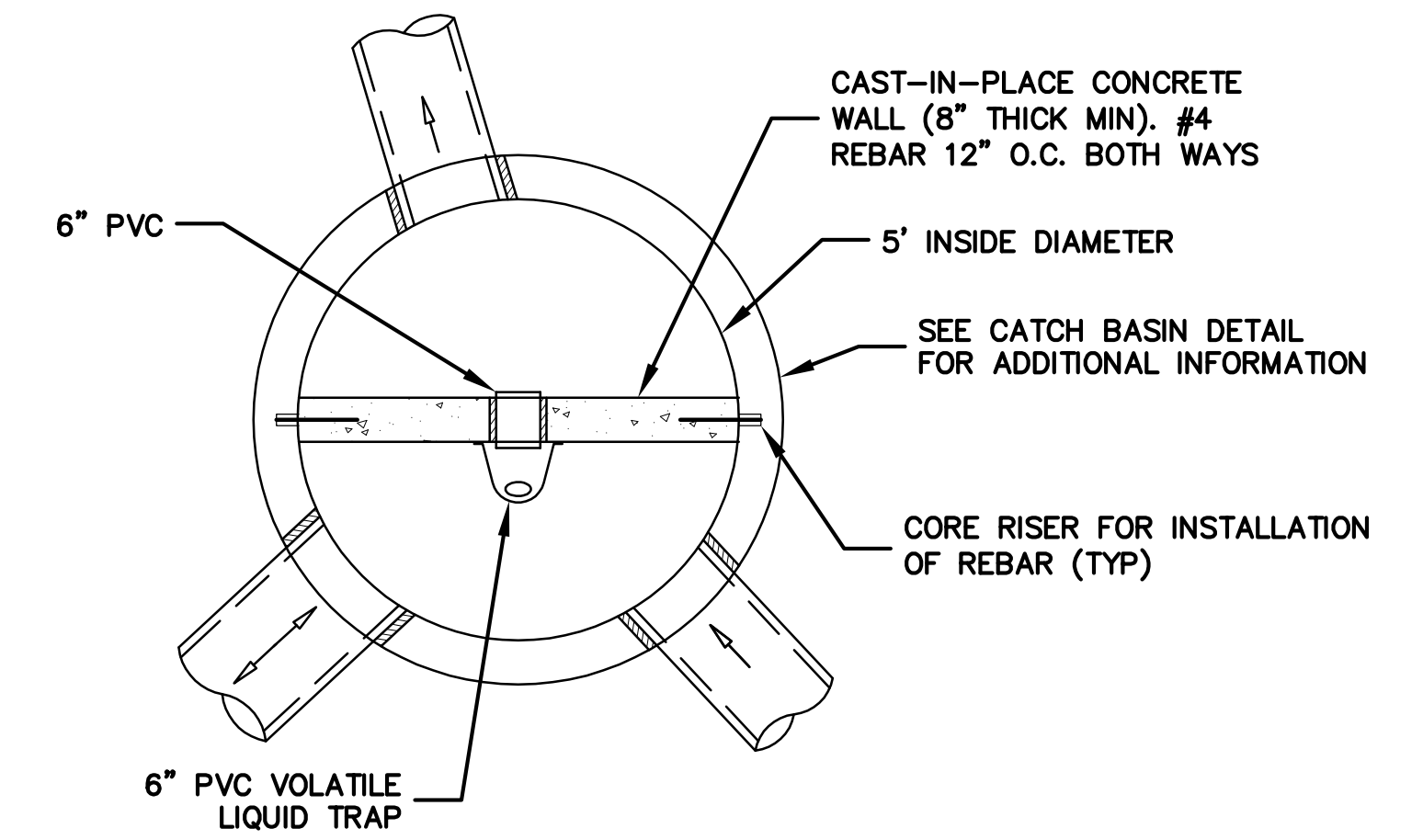


**ACCESS RISER DETAIL**  
N.T.S.

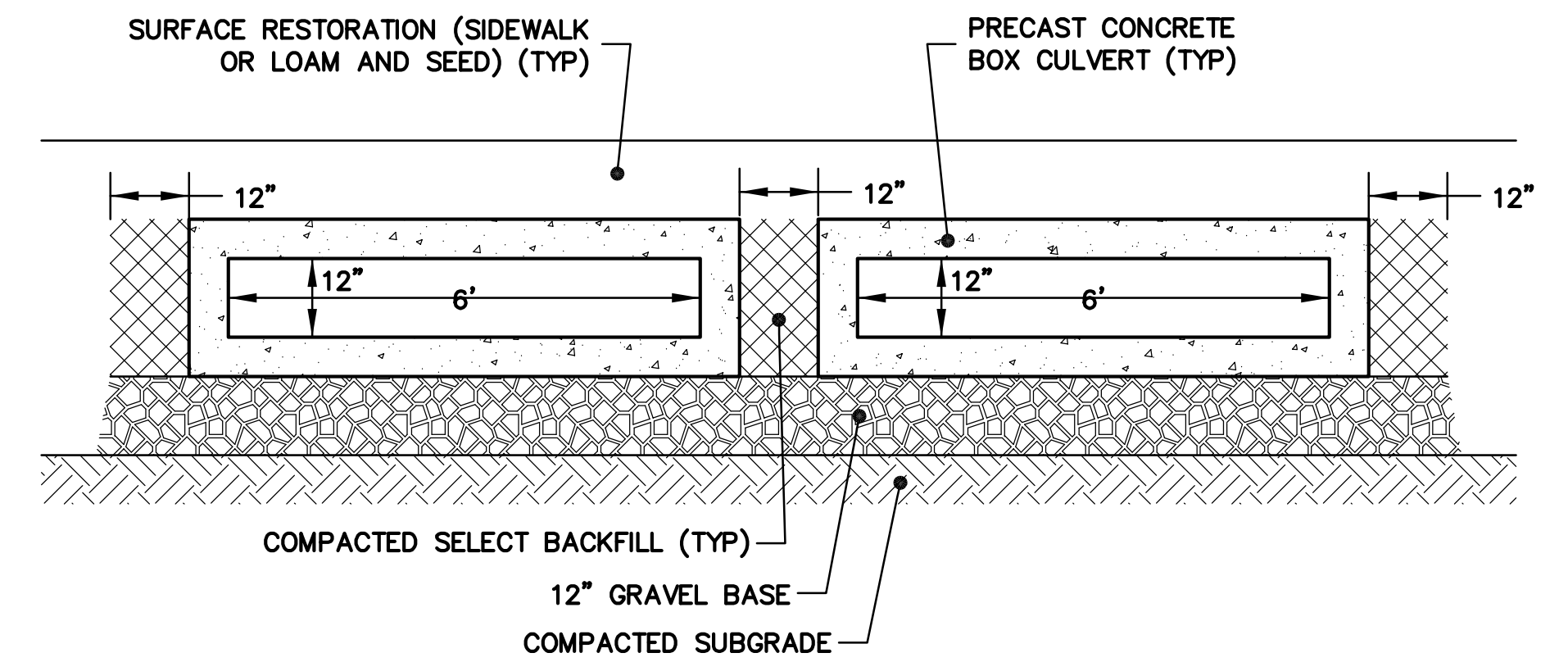


NOTES:  
1. SEE PLAN FOR LOCATION(S).  
2. SEED MIX TO BE NEW ENGLAND EROSION CONTROL/RESTORATION MIX.

**TYPICAL GRASSED SWALE SECTION**  
N.T.S.



**CATCH BASIN E DETAIL**  
N.T.S.



NOTES:  
1. PROVIDE SLOPED END SECTION AT INVERTS IN AND INVERTS OUT.

**PRECAST CONCRETE BOX CULVERT DETAIL**  
N.T.S.

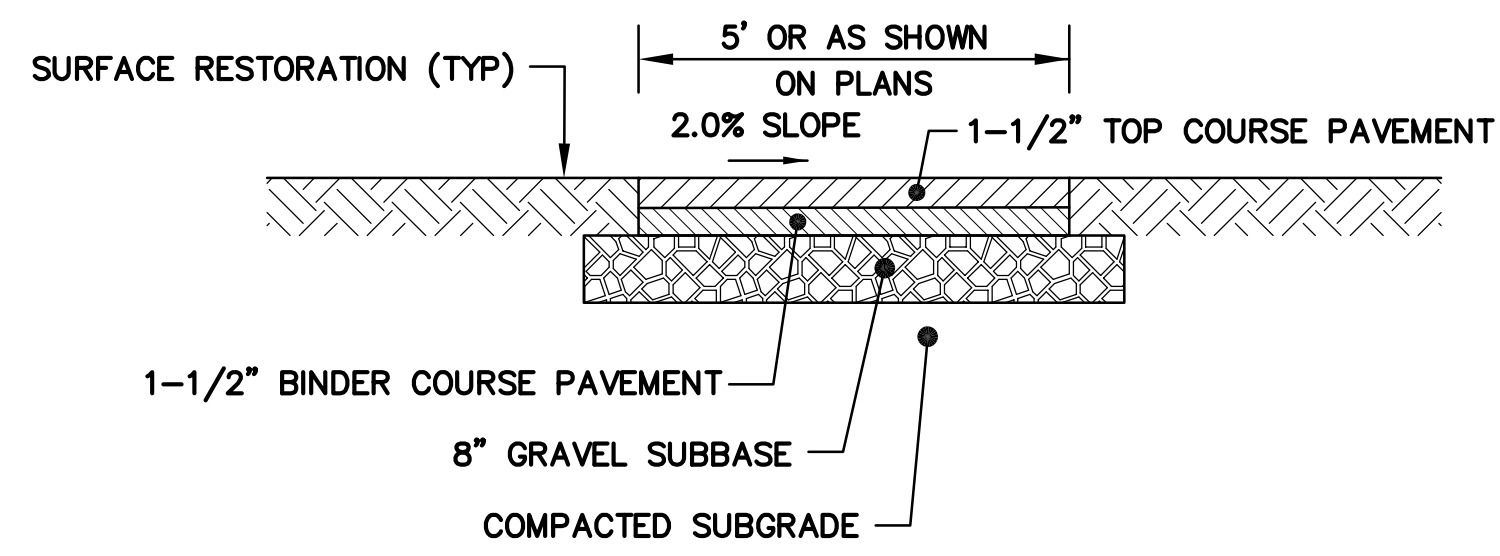
No.	Date	WGS	DR	PJC	Description
1	4-28-14	WGS	DR	PJC	ADDENDUM 1

REGISTERED PROFESSIONAL ENGINEER  
Ch. B. Weston

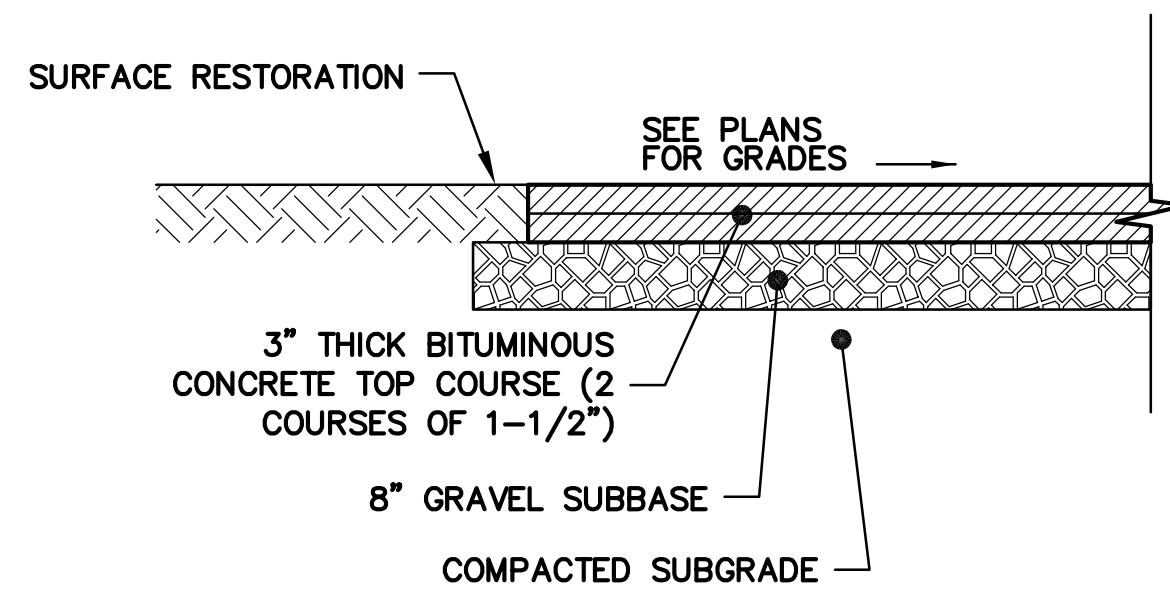


SCALE	CONTRACT	FILE NO.	CONWAY FIELD	AS NOTED	SCALE	CONTRACT	FILE NO.	CONWAY FIELD	AS NOTED
		2120504							

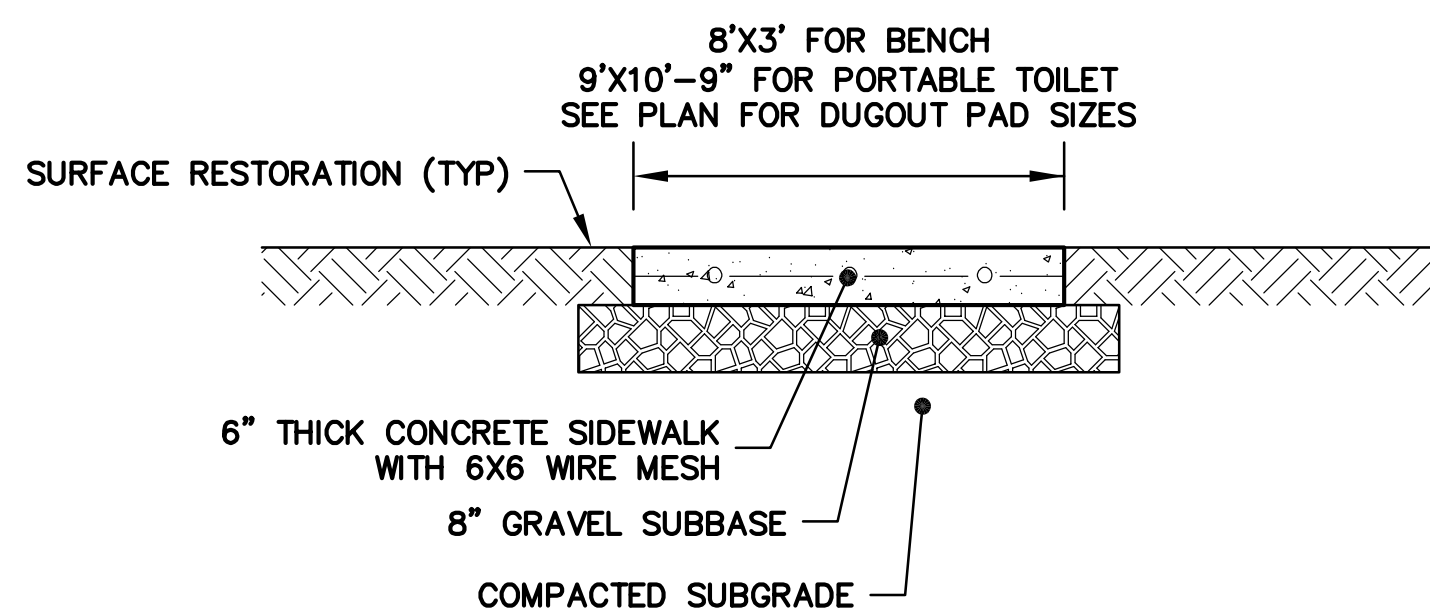
TOWN OF CONWAY, MASSACHUSETTS  
BOARD OF SELECTMEN  
CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT



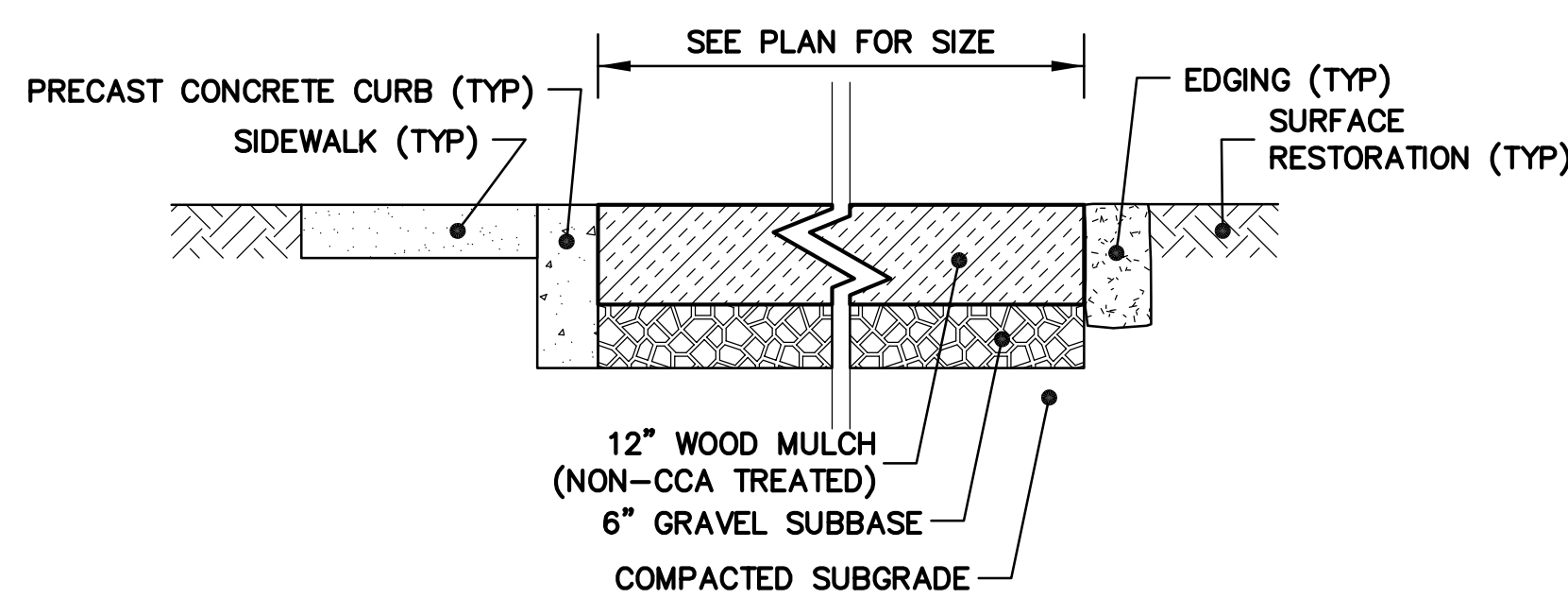
**BITUMINOUS SIDEWALK DETAIL**  
N.T.S.



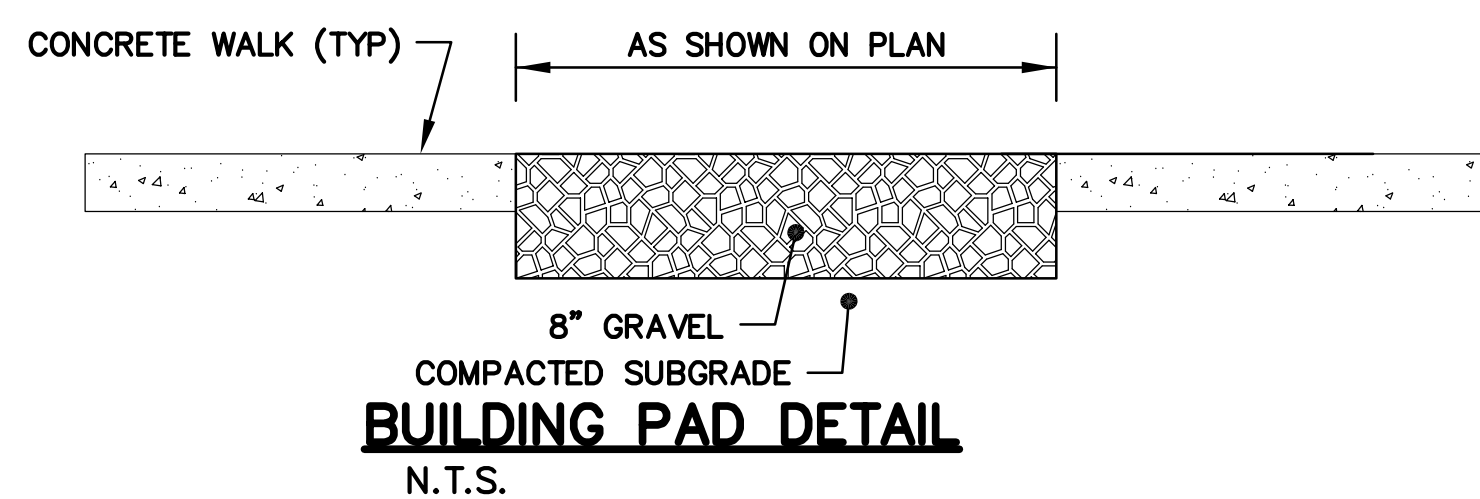
**TENNIS/BASKETBALL COURT SURFACE DETAIL**  
N.T.S.



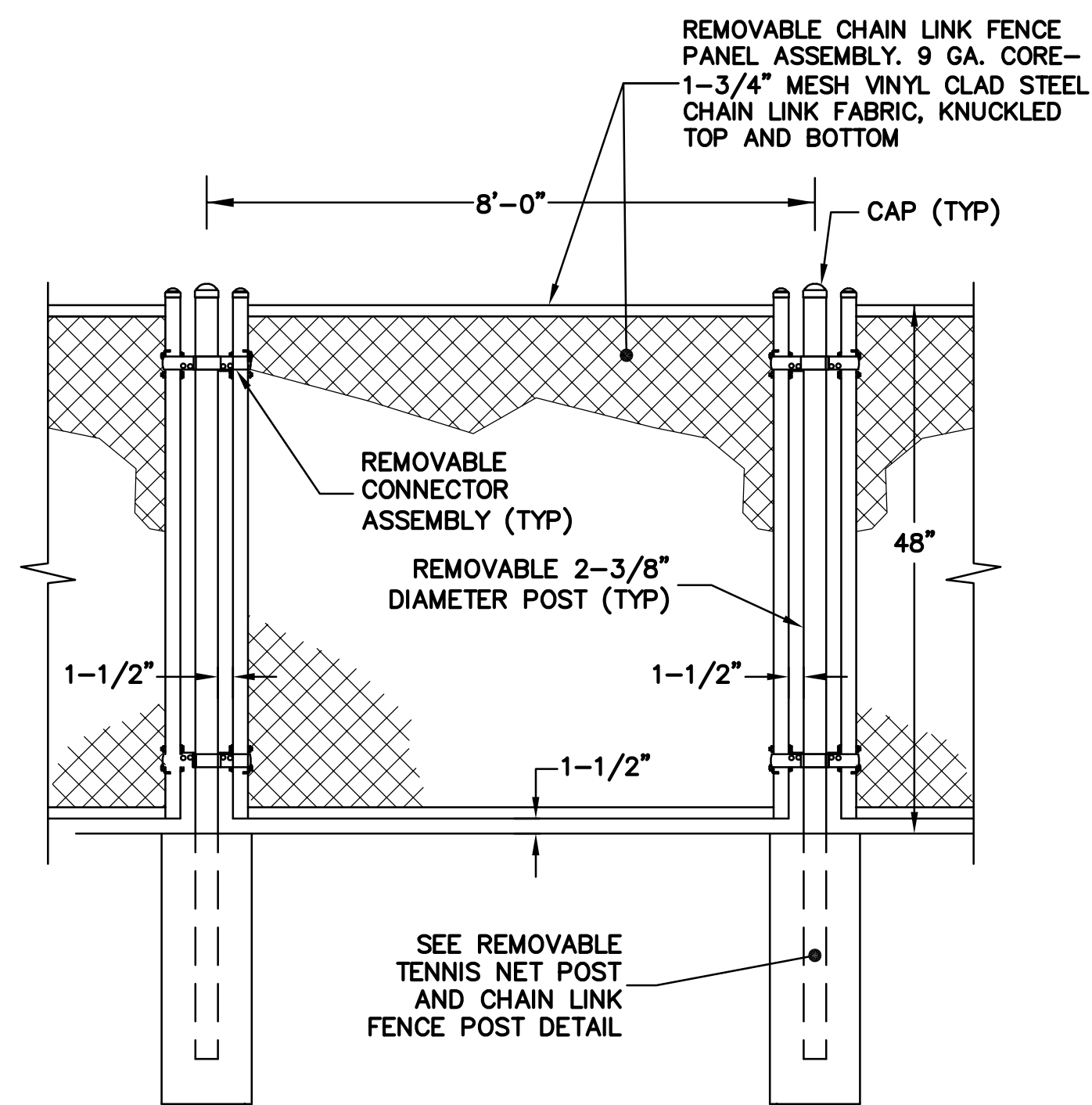
**CONCRETE DUGOUT, BENCH AND PORTABLE TOILET PAD DETAIL**  
N.T.S.



**PLAYGROUND SURFACE DETAIL**  
N.T.S.

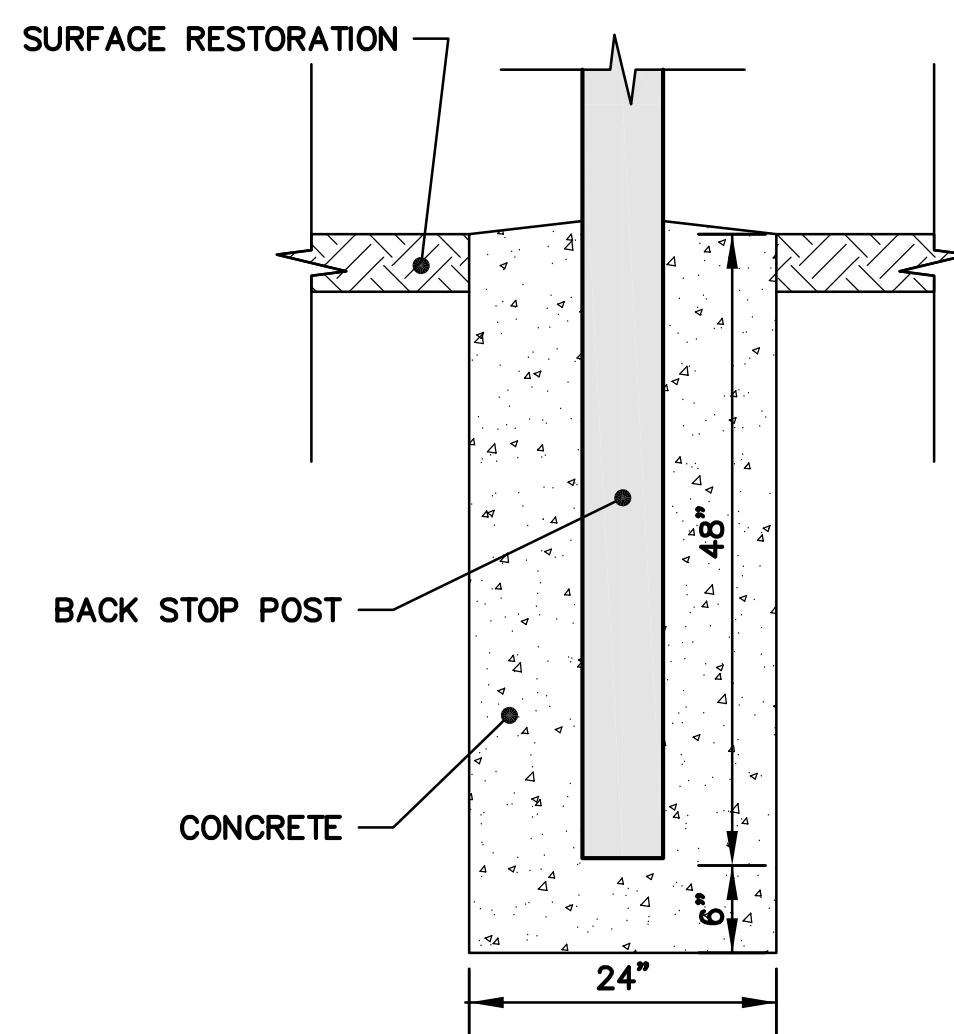


**BUILDING PAD DETAIL**  
N.T.S.



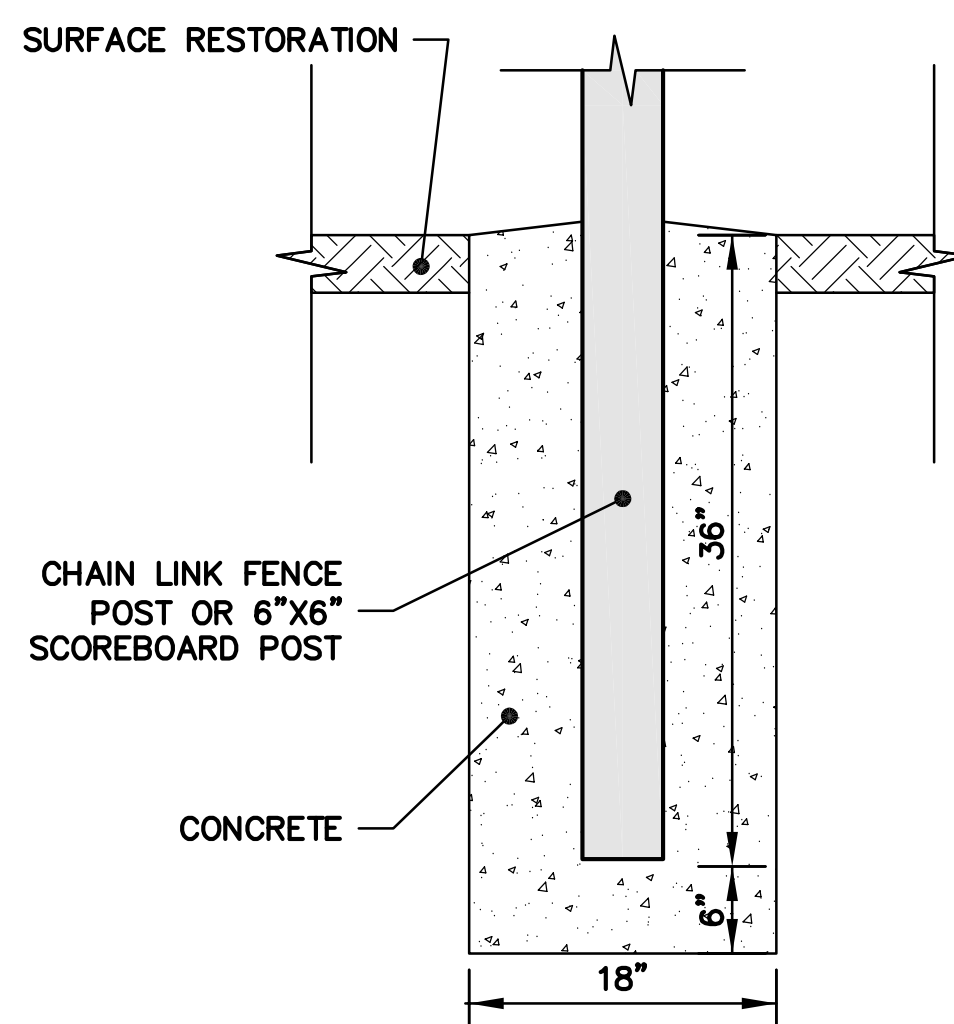
- NOTES:**
- FENCE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
  - PROVIDE CENTER RAIL AND TENSION BANDS AS REQUIRED.
  - CONTRACTOR TO PROVIDE SHOP DRAWING FOR APPROVAL PRIOR TO CONSTRUCTION.
  - SEE PLAN FOR LOCATIONS (TENNIS/BASKETBALL COURT)

**REMOVABLE CHAIN LINK FENCE DETAIL**  
N.T.S.

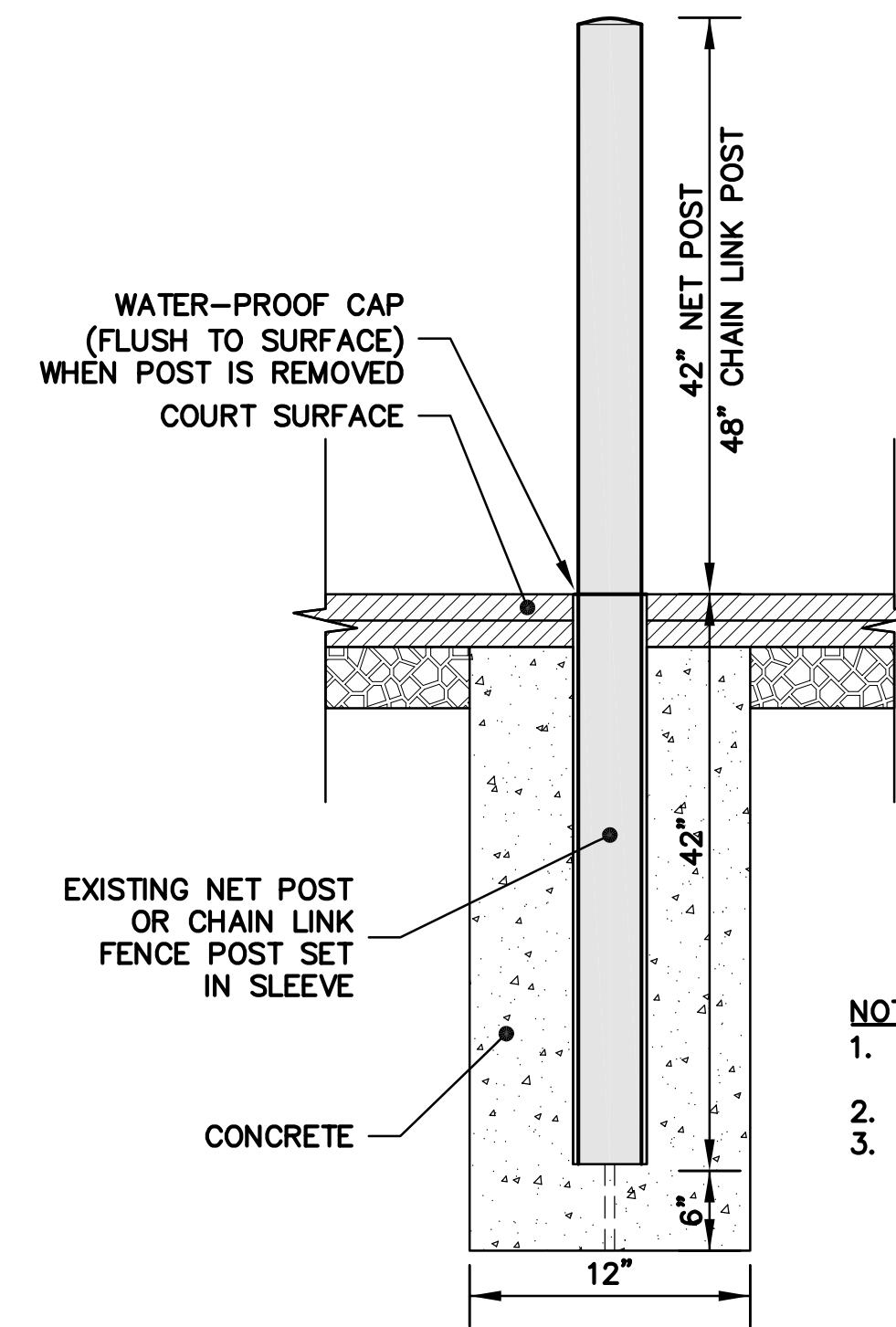


- NOTES:**
- BACKSTOP TO BE MODEL BS-C30 BASEBALL BACKSTOP KIT, MANUFACTURED BY HOOVER FENCE COMPANY OR APPROVED EQUIVALENT.

**BACK STOP POST DETAIL**  
N.T.S.

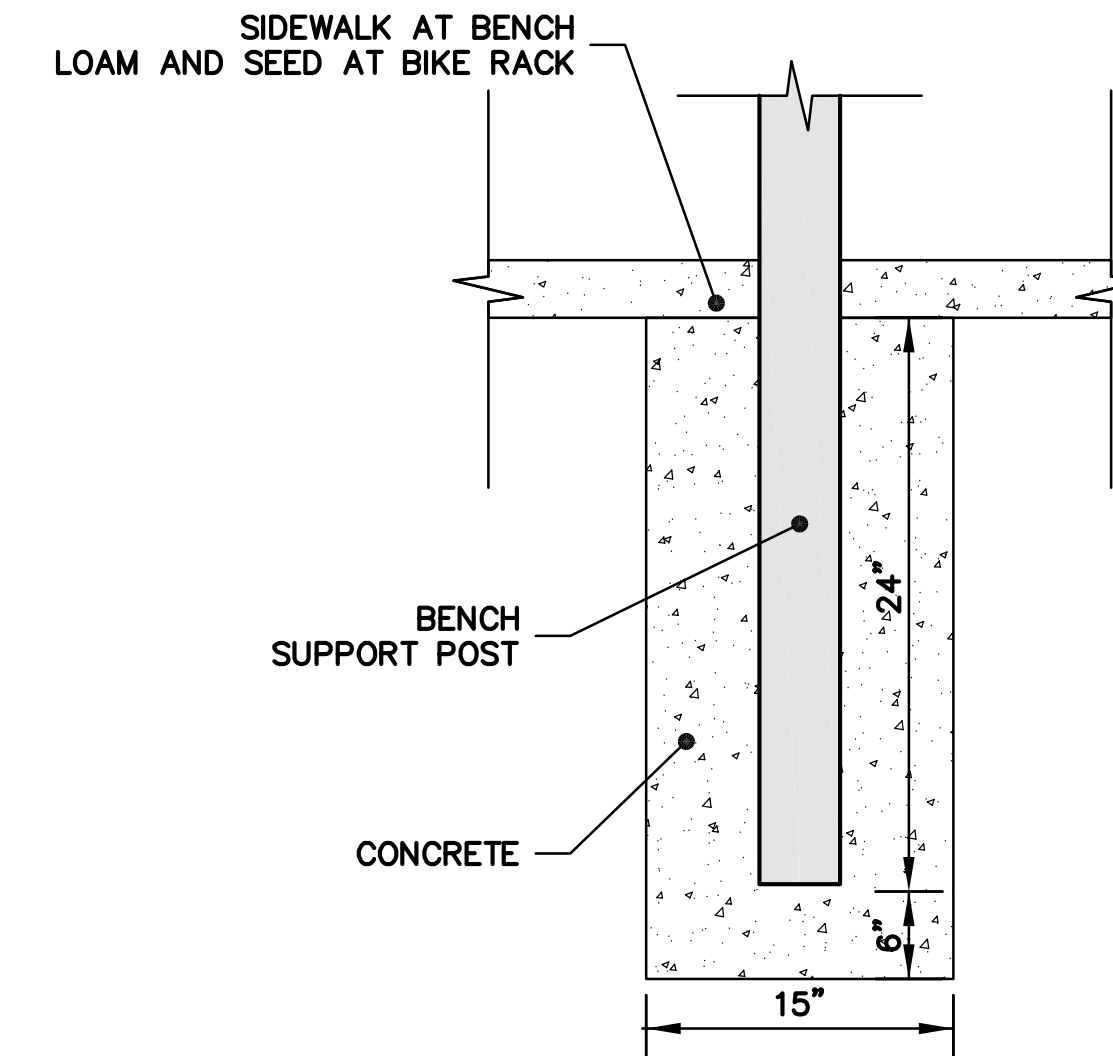


**CHAIN LINK FENCE POST/SCOREBOARD POST DETAIL**  
N.T.S.

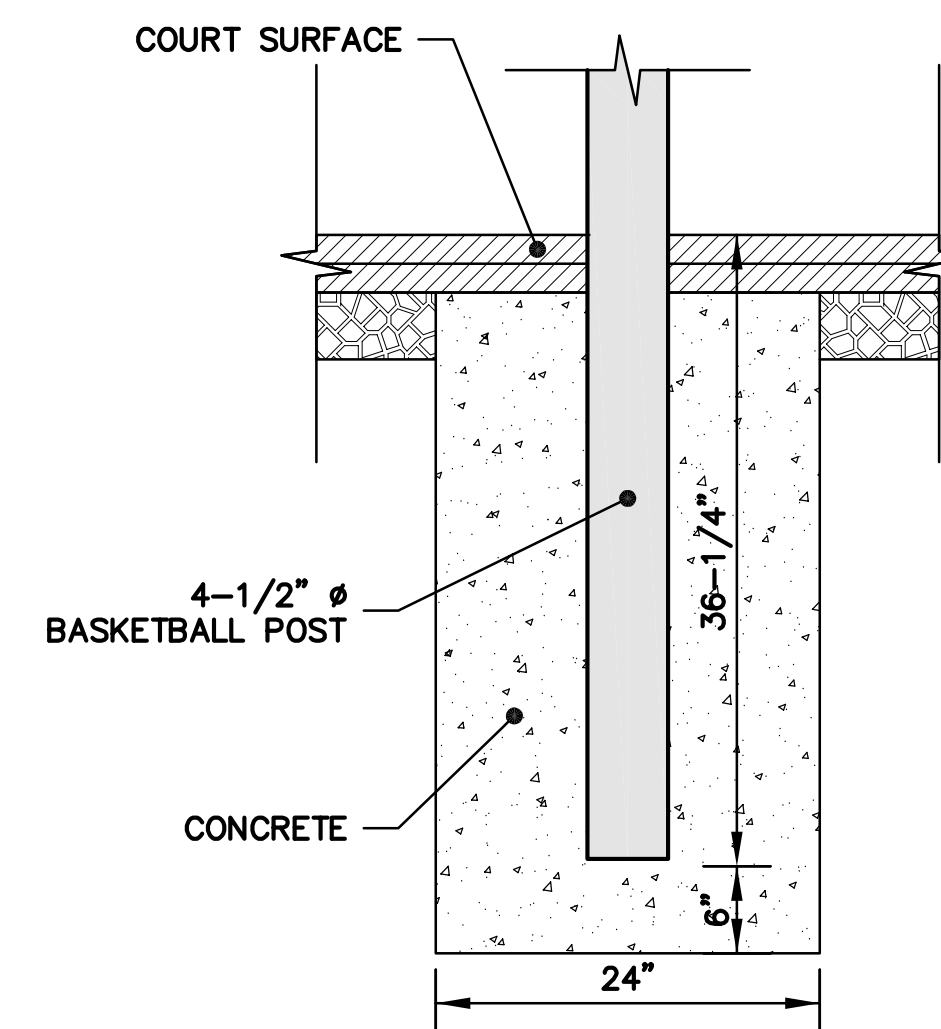


- NOTES:**
- PROVIDE 1/2 inch diameter WEEP HOLE TO ALLOW DRAINAGE FROM SLEEVE.
  - VERIFY EXISTING NET POST DIMENSIONS.
  - SIZE SLEEVE AND DEPTH BASED ON POST SIZE.

**REMOVABLE TENNIS NET POST AND CHAIN LINK FENCE POST DETAIL**  
N.T.S.



**BIKE RACK/BENCH SUPPORT POST DETAIL**  
N.T.S.

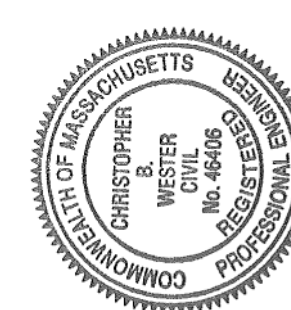


- NOTES:**
- BASKETBALL POLE TO BE SPALDING OD1A GOOSENECK OUTDOOR POLE SYSTEM, 4-1/2 inch O.D. HEAVY DUTY GALVANIZED GOOSENECK SINGLE POLE WITH 4' EXTENSION AND 1202 BACKBOARD AND SR2 GOAL OR APPROVED EQUIVALENT.

**BASKETBALL POLE DETAIL**  
N.T.S.

No.	Date	Dr. By	Ch. By	App. By	Description
					A P P R O V E D

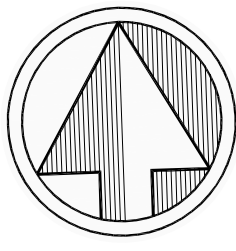
REGISTERED PROFESSIONAL ENGINEER  
Ch. B. Weston  
DATE



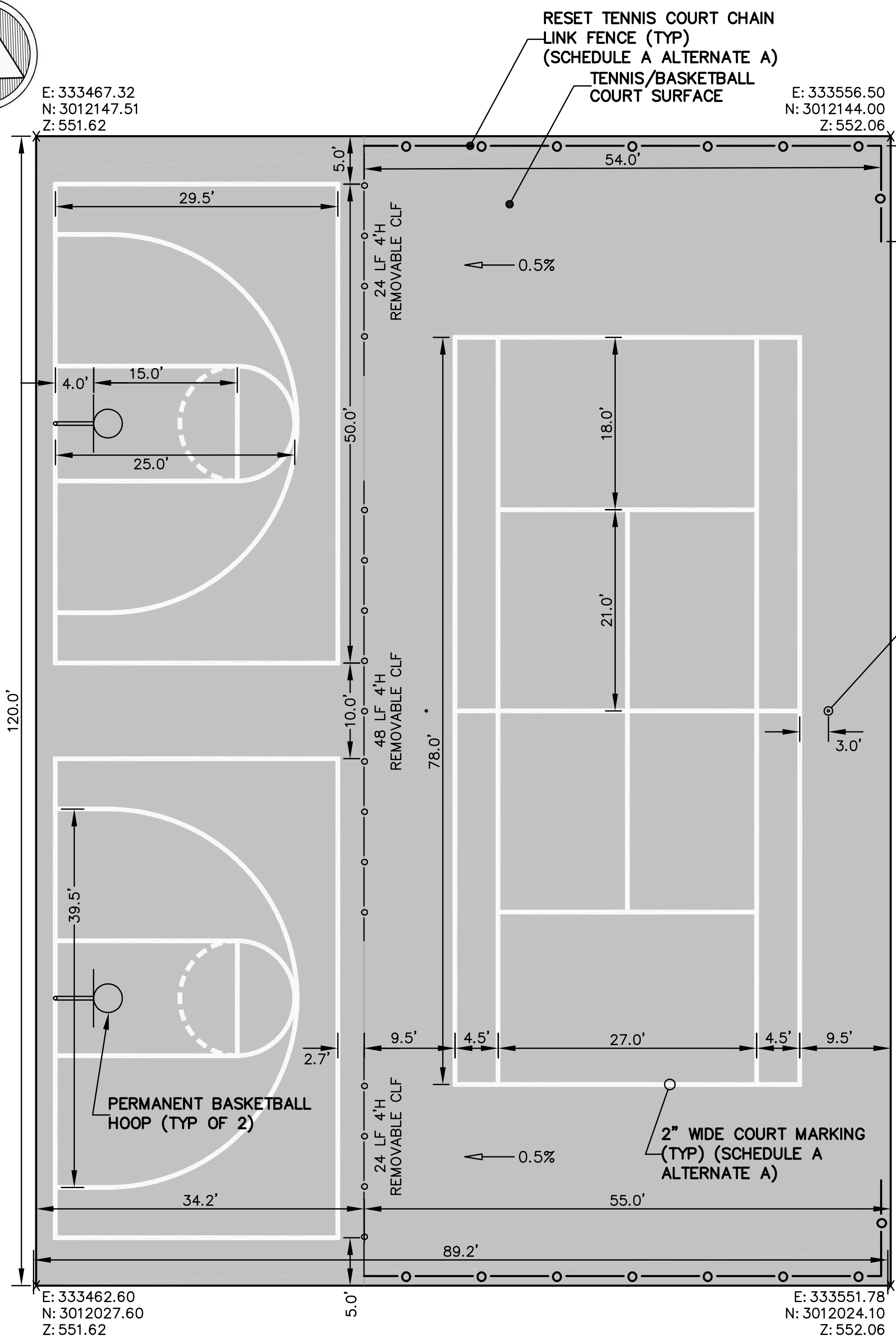
TOWN OF CONWAY, MASSACHUSETTS BOARD OF SELECTION	CONWAY FIELD	SCALE: AS NOTED	CONTRACT:	JOB NO. 2120504	DR. BY: WGS	DSN. BY: WGS	CHK. BY: DRL	APP. BY: CBW
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**DETAILS**

CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT



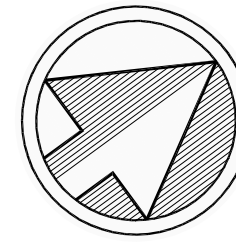
E: 333467.32  
N: 3012147.51  
Z: 551.62



**TENNIS/BASKETBALL COURT DIMENSIONS**  
SCALE: 1"=10'

RESET TENNIS COURT CHAIN  
LINK FENCE (TYP)  
(SCHEDULE A ALTERNATE A)  
TENNIS/BASKETBALL  
COURT SURFACE

E: 333556.50  
N: 3012144.00  
Z: 552.06



PRECAST CONCRETE  
CURB AT INSIDE OF  
WALK AT PLAYGROUND

6-FOOT BENCH  
(RELOCATED) AND PAD.  
DUMOR MODEL 88

RESET EXISTING NET  
POST (TYP OF 2)  
(SCHEDULE A  
ALTERNATE A)

RELOCATED  
PLAYSCAPE

E: 333307.22  
N: 3011995.33

E: 333332.46  
N: 3011989.06

- NOTES:  
1. PLAYSCAPE AND SWING SET TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.  
2. ALL WORK ABOVE IS INCLUDED IN SCHEDULE B.

**PLAYGROUND DIMENSIONS**  
SCALE: 1"=10'

RELOCATED SWING SET

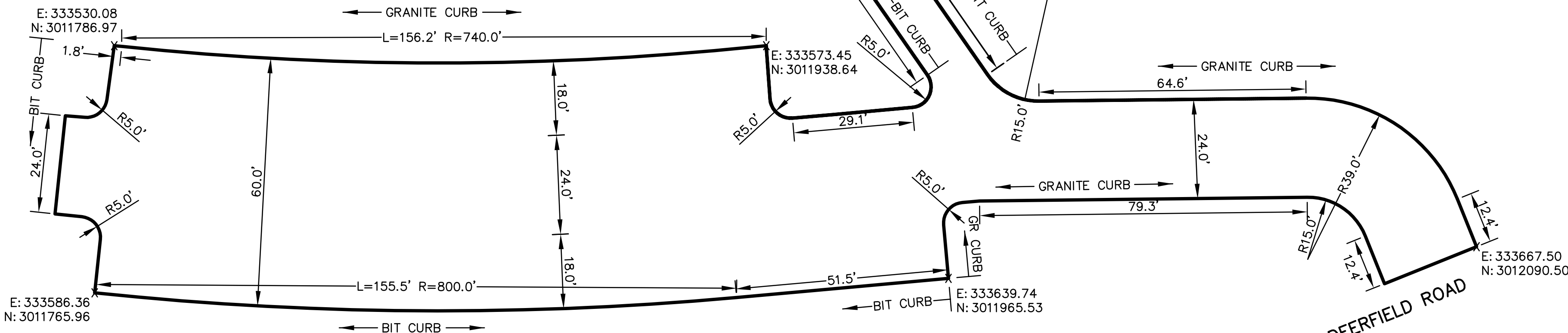
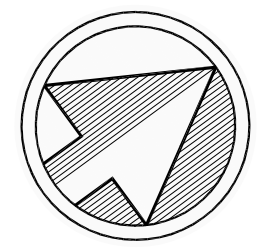
E: 333320.78  
N: 3012049.84

E: 333346.01  
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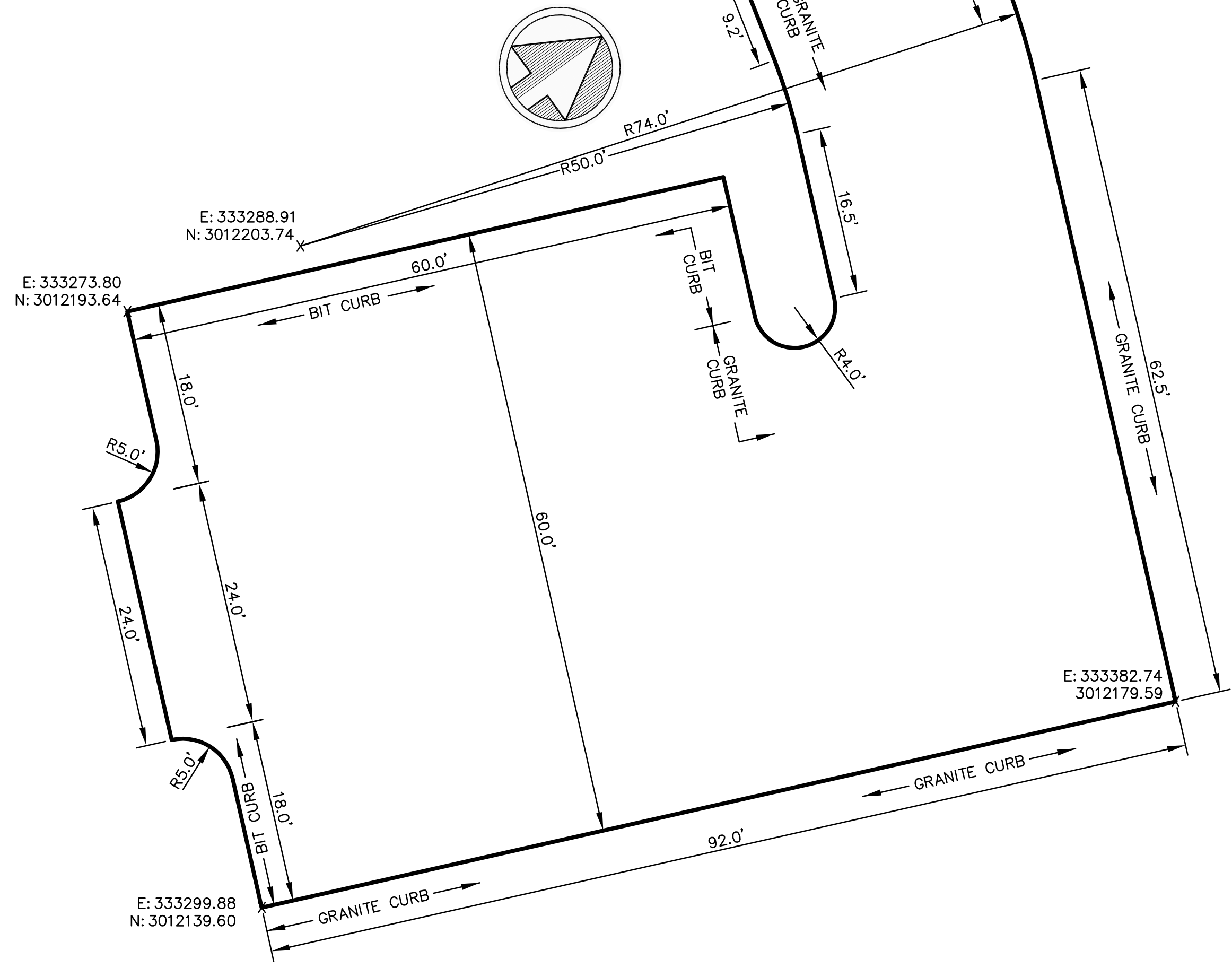
PLAYGROUND SURFACE

BELGIAN BLOCK EDGING  
AROUND PLAYGROUND

- NOTES:  
1. LAYOUT OF FIELD COMPONENTS, PARKING LOTS AND DRAINAGE SHALL BE COMPLETED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.



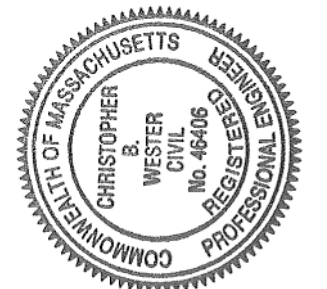
**UPPER PARKING LOT DIMENSIONS**  
SCALE: 1"=20'



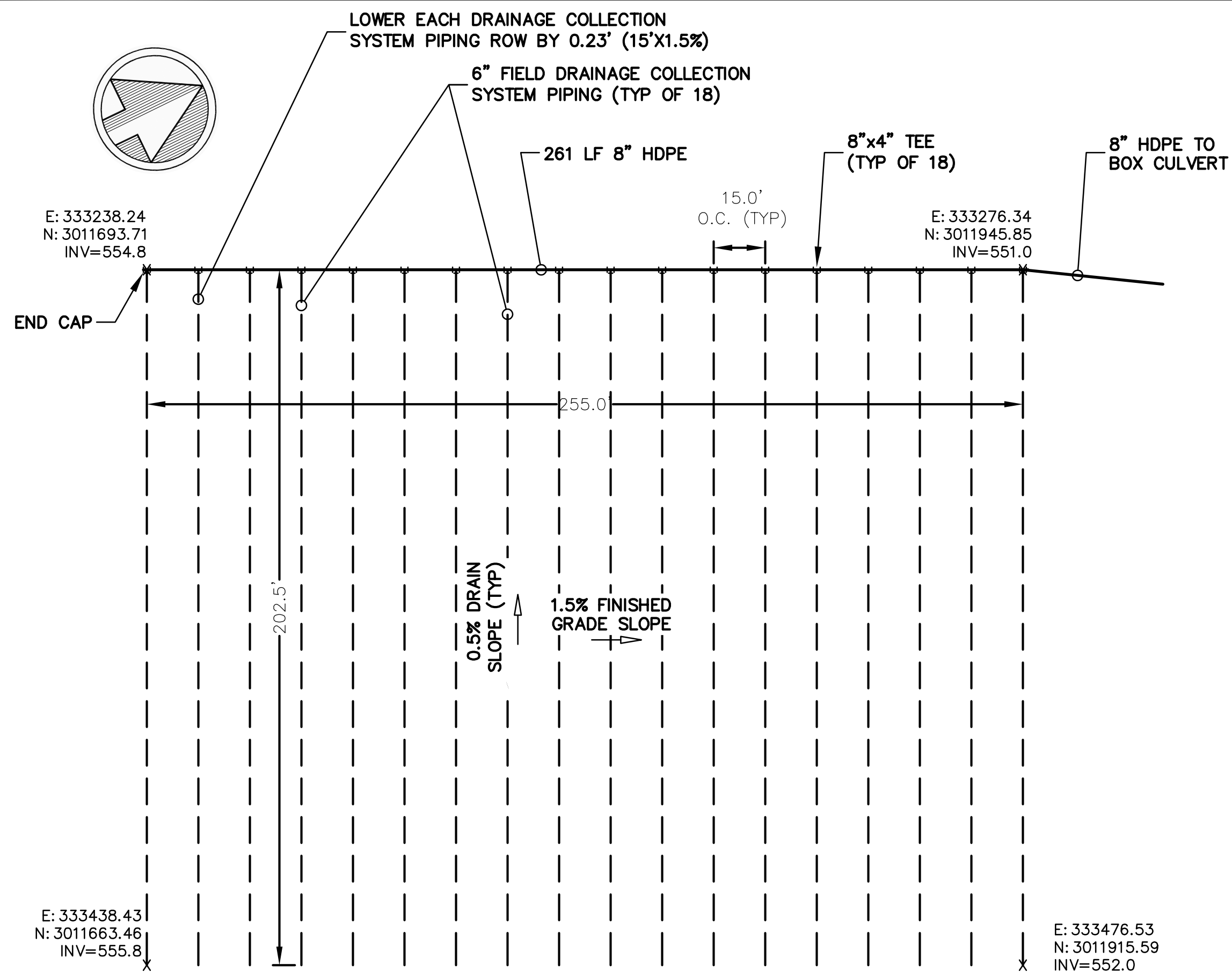
**LOWER PARKING LOT DIMENSIONS**  
SCALE: 1"=20'

No.	Date	Dr. By	Chk. By	App. By	Description
					A P P R O V E D

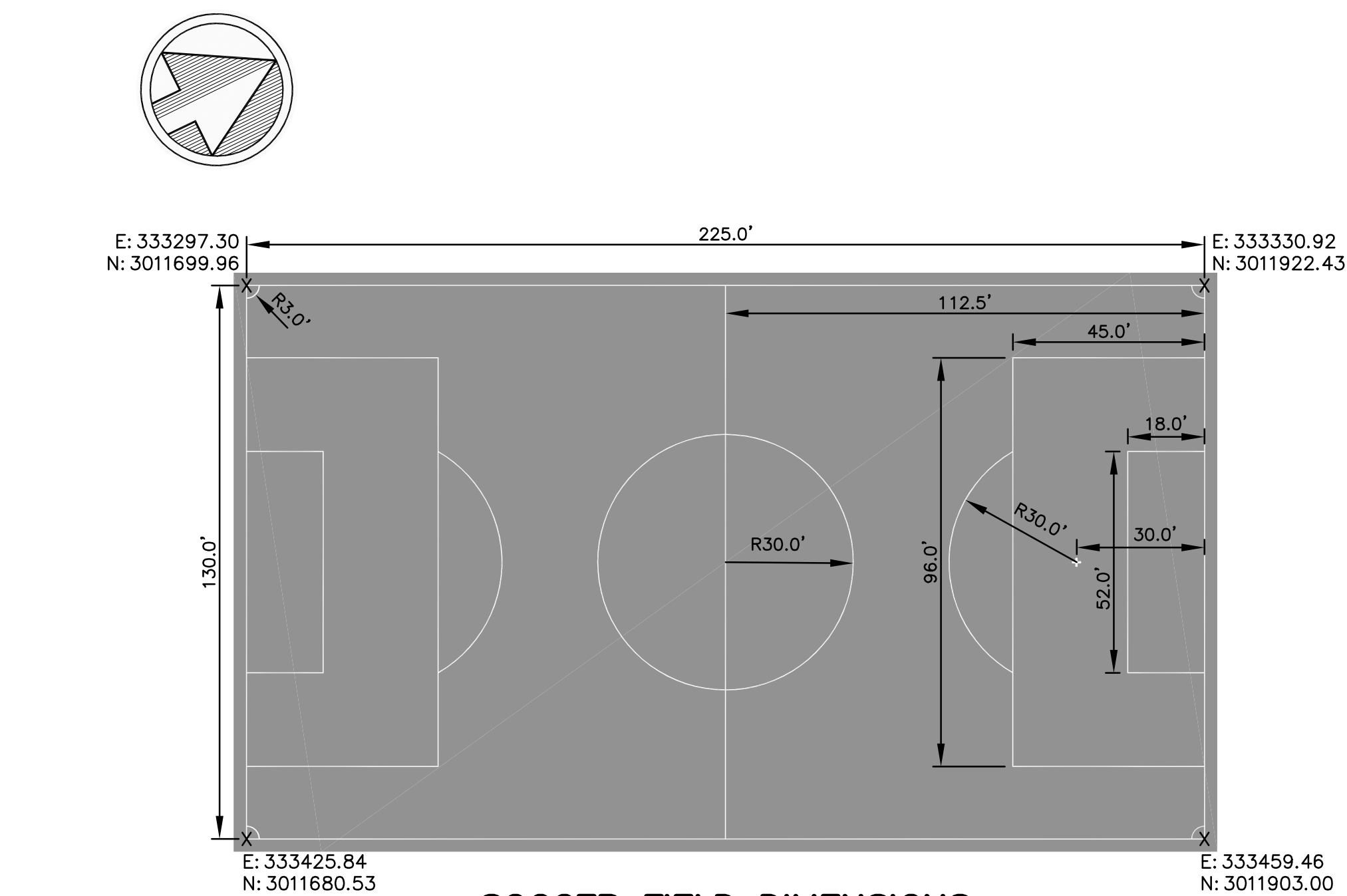
REGISTERED PROFESSIONAL ENGINEER  
*Ch. B. Weston*  
DATE \_\_\_\_\_



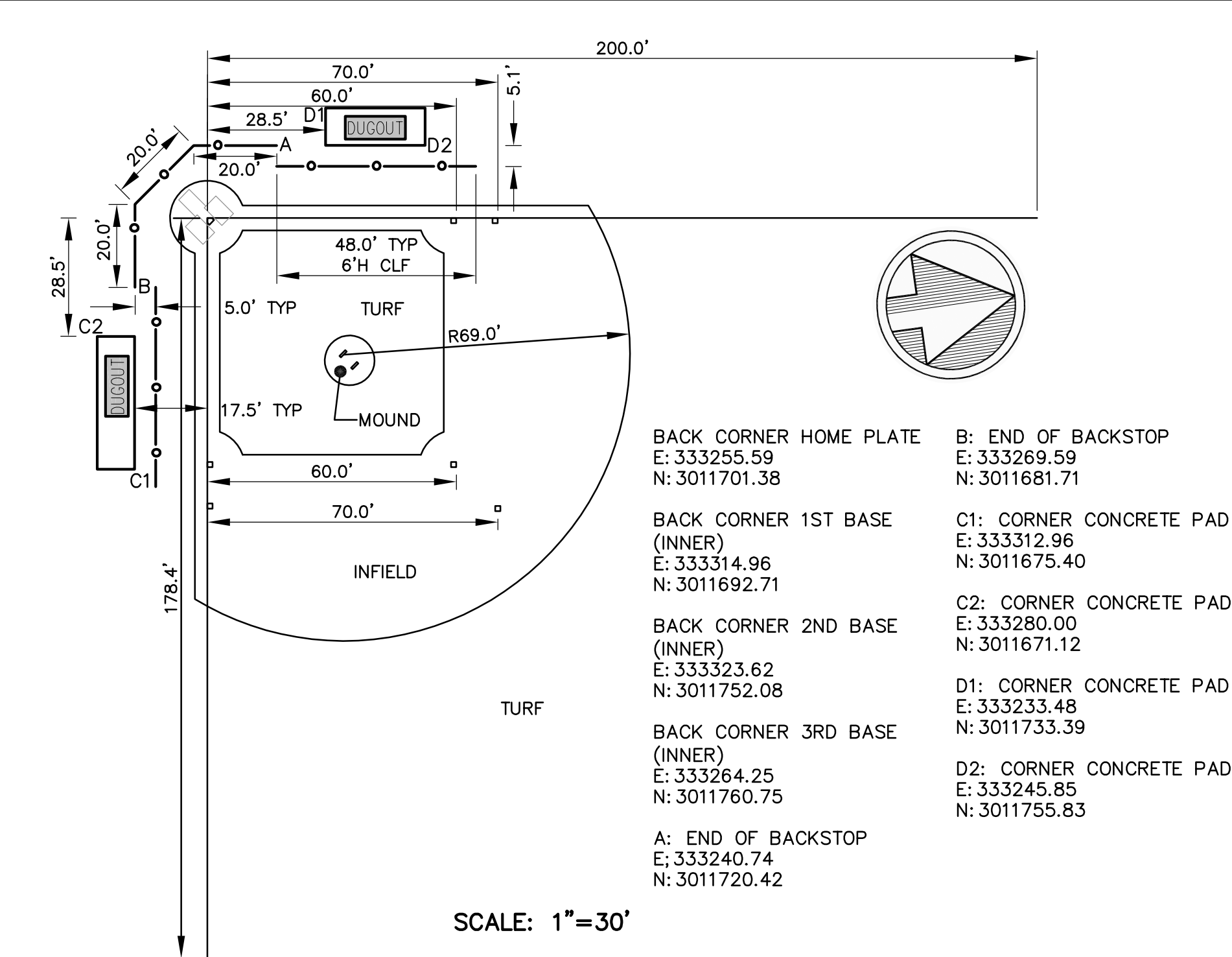
R:\Conway MA\Community Field\cod\conway fields.dwg



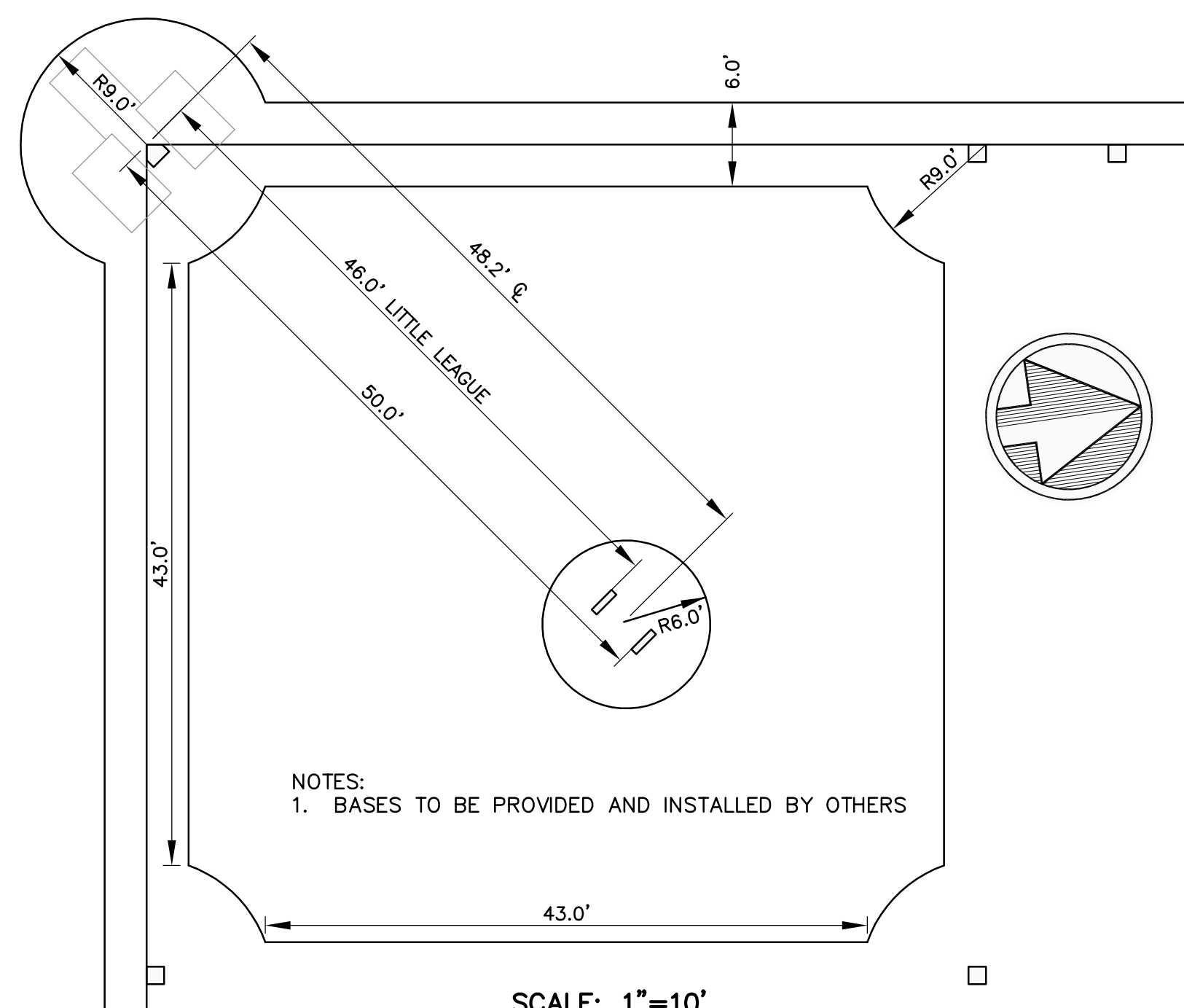
**FIELD DRAINAGE SCHEMATIC**  
SCALE: 1"=30'



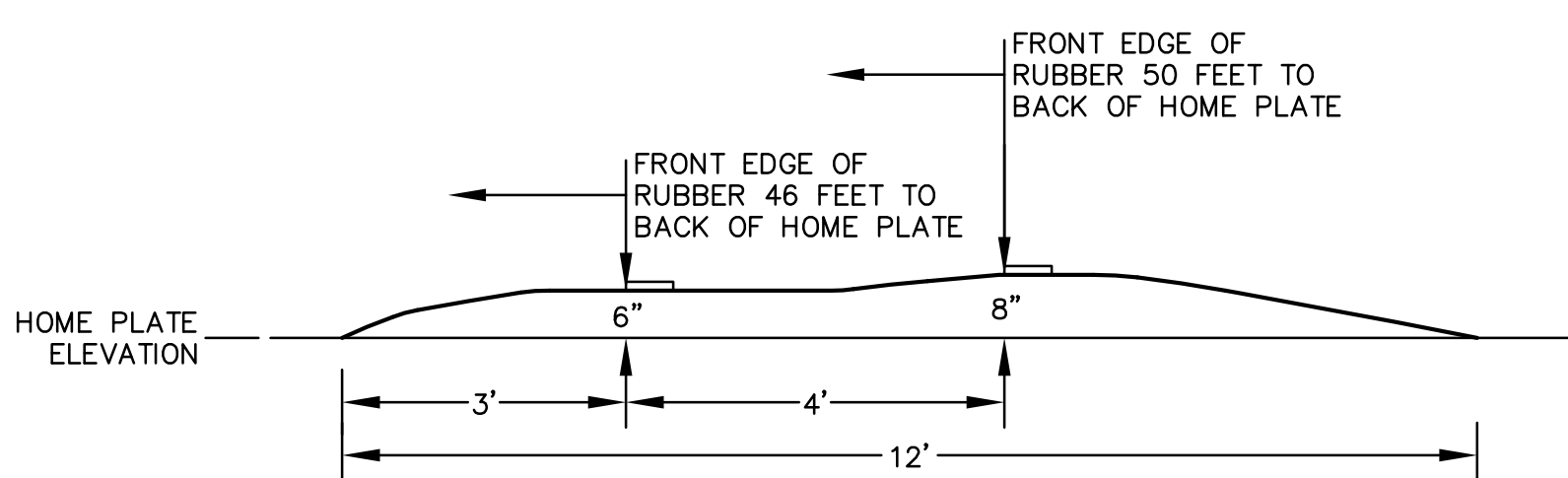
**SOCCER FIELD DIMENSIONS**  
SCALE: 1"=30'



SCALE: 1"=30'

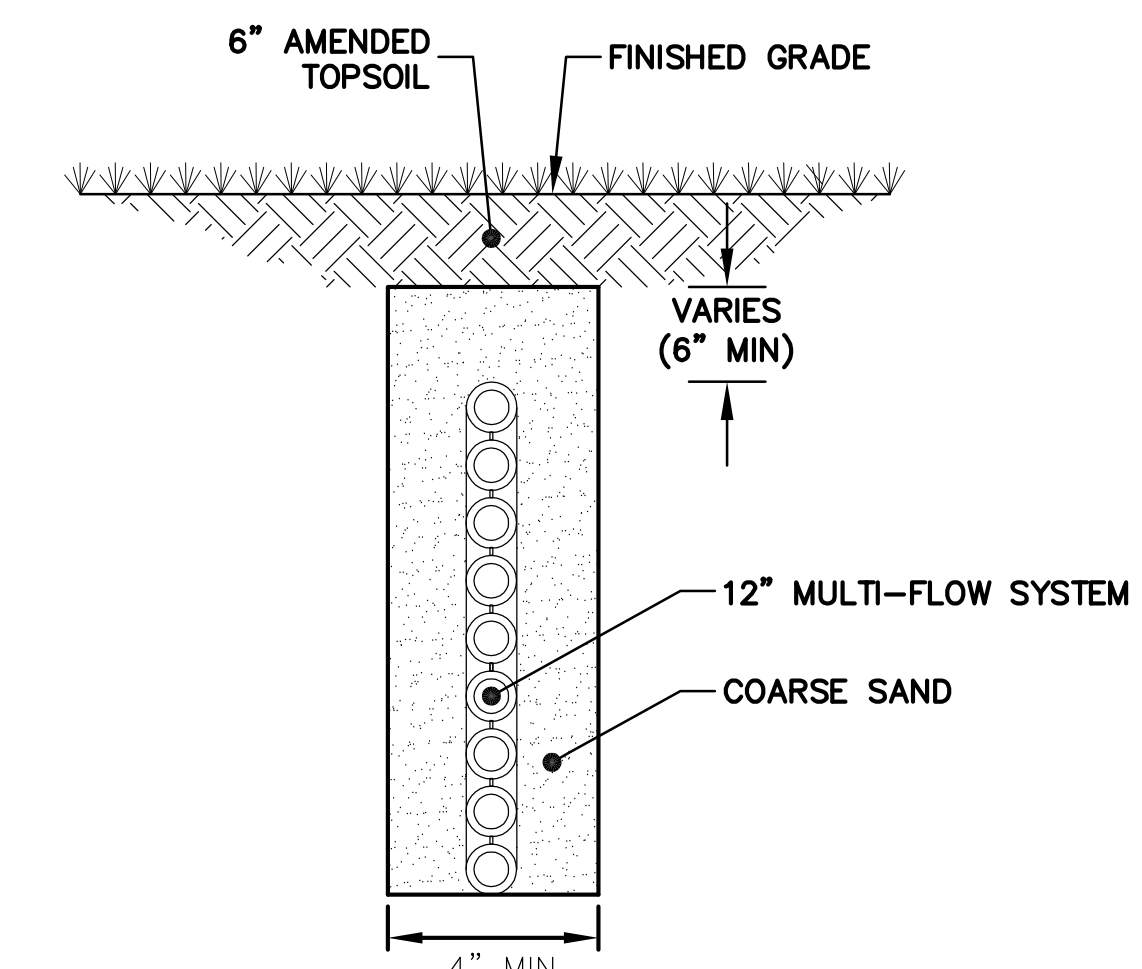


**BASEBALL FIELD DIMENSIONS**  
SCALE AS NOTED

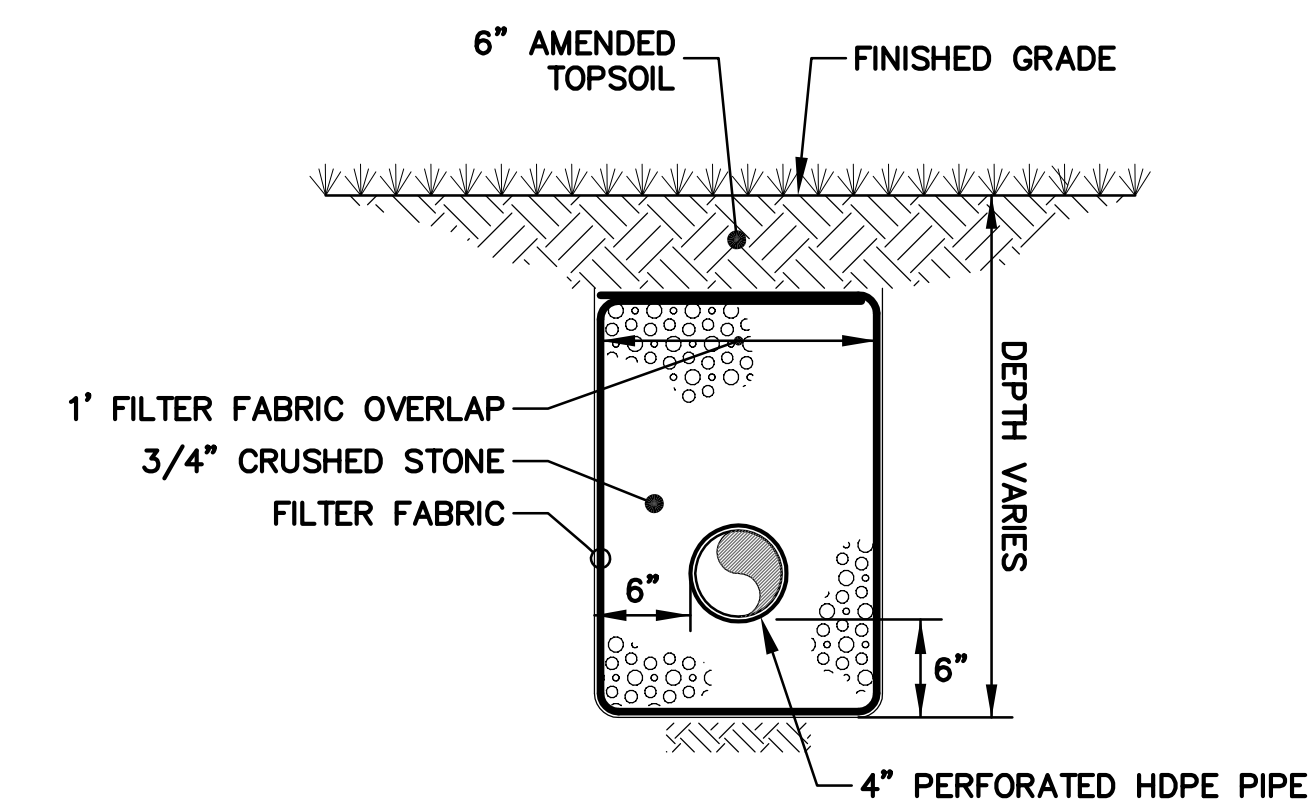


**PITCHER'S MOUND DETAIL**  
N.T.S.

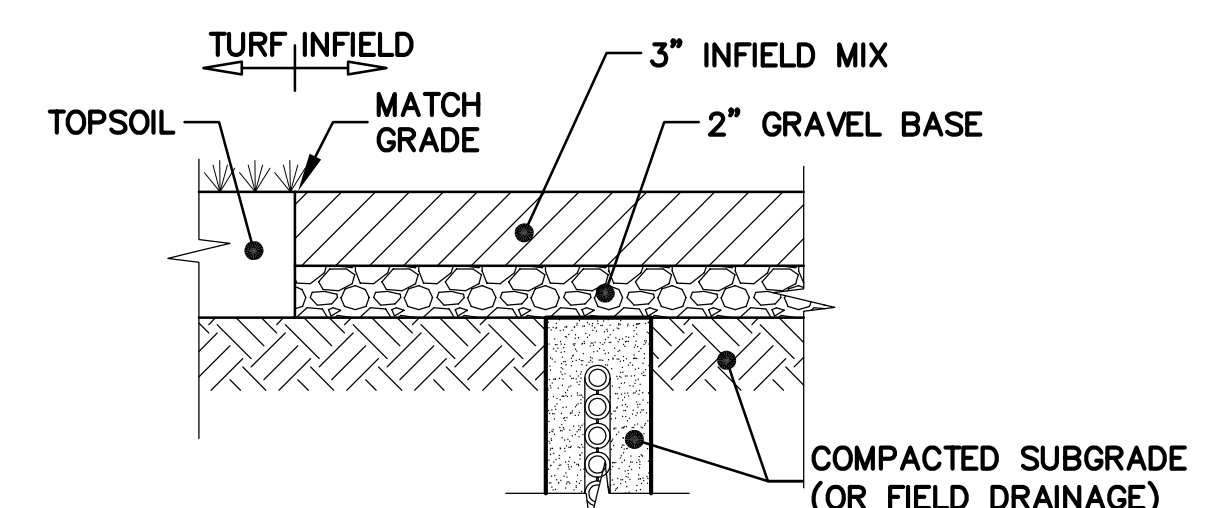
NOTES:  
1. LAYOUT OF FIELD COMPONENTS, PARKING LOTS AND DRAINAGE SHALL BE COMPLETED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.



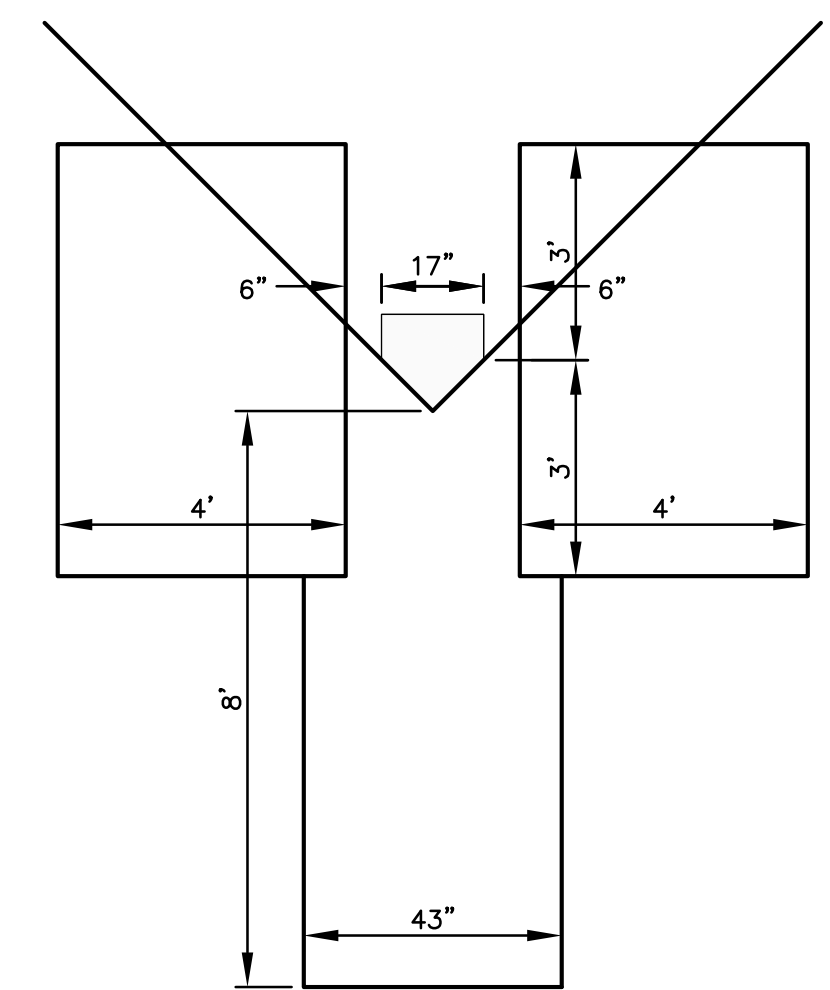
**FIELD DRAINAGE DETAIL**  
N.T.S.



**FIELD DRAINAGE DETAIL - ALTERNATE**  
N.T.S.



**INFIELD DETAIL**  
N.T.S.



**BATTER'S BOX DETAIL**  
N.T.S.

No.	Date	Dr. By	Ck. By	App. By	Description
					A P P R O V E D

REGISTERED PROFESSIONAL ENGINEER  
Ch. B. Weston



TOWN OF CONWAY, MASSACHUSETTS  
BOARD OF SELECTION

CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT

**PLAYING FIELD DIMENSIONS AND DRAINAGE DETAILS**

CADD. NO.	SCALE	CONTRACT	JOB NO.	DR. BY	CHK. BY	APP. BY
CONWAY FIELD	AS NOTED		2120504	WGS	WGS	CBW

# EROSION CONTROL NOTES

## PROJECT DESCRIPTION

A TOWN PARK AND COMMUNITY FIELD PROJECT IS PROPOSED ON A 4.9± ACRE PARCEL AT THE INTERSECTION OF SOUTH DEERFIELD ROAD AND WHATLEY ROAD. THE PROJECT ALSO INCLUDES AN ADJACENT 0.2± PARCEL OF LAND ON ACADEMY HILL ROAD. PROPOSED WORK INCLUDES RECONFIGURATION OF THE MULTI-USE FIELDS AND COURTS, FORMAL PARKING LOTS WITH IMPROVED DRAINAGE, SIDEWALKS AND RETAINING WALLS.

## WATER EROSION CONTROL MEASURES

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THIS EROSION AND SEDIMENT CONTROL PLAN AND THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES. THE CONTRACTOR FOR THE PROJECT SHALL MAINTAIN A COPY OF THIS EROSION AND SEDIMENT CONTROL PLAN AND THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES ON-SITE DURING CONSTRUCTION ACTIVITIES.

EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIST OF HAY BALES, NON-WOVEN FILTER FABRIC MATERIAL WITH A WIRE MESH BACKING, OR A WOVEN FABRIC (SILT FENCE), HAY BALES, CONSTRUCTION ENTRANCE, SEDIMENTATION BASIN, SWALE AND BERM, AND EROSION CONTROL BLANKETS.

ALL MATERIAL SHALL BE NEW AND FREE FROM DEFECTS THAT WOULD COMPROMISE THE EFFECTIVENESS OF THE CONTROL MEASURES. AFTER COMPLETION, ALL MATERIAL SHALL BE DISPOSED OF PROPERLY. LOCATION OF EROSION AND SEDIMENT CONTROL STRUCTURES CAN BE SEEN ON THE PLANS (SEE LEGEND FOR CONTROL STRUCTURE SYMBOL). NOTE ALL EROSION CONTROL MEASURES SHALL BE LOCATED DOWN GRADIENT FROM DISTURBED AREAS. IF TOPSOIL IS TO BE STORED IN AN AREA NOT SHOWN ON THE PLANS, DUE TO UNFORESEEN EVENTS, PRIOR TO STORING, THE DOWN-GRADIENT PERIMETER OF THE STORAGE AREA SHALL BE PROPERLY PROTECTED TO THE SPECIFICATIONS DETAILED ON THIS PLAN.

## WIND EROSION CONTROL MEASURES

DURING DRY WEATHER CONDITIONS, DISTURBED AREAS SHALL BE PROTECTED AGAINST WIND EROSION. DUSTY AREAS SHALL BE SPRAYED WITH WATER TO PREVENT WIND-BORNE PARTICLES.

## SUGGESTED CONSTRUCTION SEQUENCE

PRIOR TO PROCEEDING WITH THE CONSTRUCTION, EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED AS SHOWN ON THE PLANS. A PROPOSED SEQUENCE OF DEVELOPMENT IS:

### PHASE 1 - INSTALLATION OF EROSION CONTROLS

1. OBTAIN APPROPRIATE PERMITS, NOTIFY TOWN OFFICIALS OF CONSTRUCTION COMMENCEMENT, AND SUBMIT CONSTRUCTION TIMETABLE.
2. SURVEY CLEARING LIMITS FOR REVIEW AND APPROVAL. NO CLEARING OR TREE REMOVAL SHALL COMMENCE WITHOUT APPROVAL OF THE CLEARING LIMITS BY THE ENGINEER AND THE TOWN.
3. ON-SITE CONSTRUCTION SEQUENCE SHALL START WITH THE MINIMUM AMOUNT OF CLEARING REQUIRED TO INSTALL SILT FENCE AND HAY BALES AS SHOWN ON PLAN.
4. INSTALL SILT FENCE, CONSTRUCTION ENTRANCE AND HAY BALES AS SHOWN ON THE PLANS.
5. INSTALL TEMPORARY SEDIMENTATION BASINS AND TEMPORARY CONSTRUCTION SWALE/BERMS.
6. FOLLOWING INSTALLATION OF THE EROSION CONTROLS THE CONTRACTOR SHALL CONTACT THE ENGINEER AND WETLAND ENFORCEMENT OFFICER FOR INSPECTION AND APPROVAL OF INSTALLED MEASURES. NO WORK SHALL COMMENCE UNTIL ALL EROSION CONTROL STRUCTURES HAVE BEEN INSTALLED AND APPROVED BY THE ENGINEER AND WETLANDS ENFORCEMENT OFFICER.

### PHASE 2 - UPPER PARKING LOT CLEARING, WALLS, DRAINAGE AND GRADING

7. REMOVE TREES AND VEGETATION FROM PROPOSED DISTURBED AREA. ALL STUMPS AND WOOD SHALL BE TAKEN FROM THE SITE AND BROUGHT TO A TOWN AND STATE APPROVED LOCATION.
8. REMOVE AND STOCKPILE TOPSOIL. MATERIAL MAY BE STOCKPILED OFF-SITE. THE TOPSOIL SHALL BE SEEDDED IMMEDIATELY AFTER STOCK PILING IN ORDER TO STABILIZE THE SLOPE AND LIMIT SEDIMENT RUNOFF. STOCKPILED TOPSOIL SHALL BE SEEDDED AND MULCHED WHEN IT IS TO BE STORED FOR MORE THAN 30 DAYS FROM TIME OF STOCKPIILING.
9. INSTALL RETAINING WALL AT THE DRIVEWAY ENTRANCE.
10. INSTALL WALL AT THE TOT LOT.
11. REGRADE SITE TO MATCH PROPOSED GRADES MINUS THE DEPTH OF SURFACE RESTORATION. COMPLETE WALL REPAIRS.
12. INSTALL PROPOSED DRAINAGE IMPROVEMENTS.
13. INSTALL DRIVEWAY/PARKING LOT BASE MATERIALS, GRANITE CURBING AND BINDER COURSE PAVEMENT.

### PHASE 3 - ACADEMY HILL ROAD AND LOWER PARKING LOT (BARBER PROPERTY)

14. REMOVE AND STOCKPILE TOPSOIL.
15. REGRADE TO PROPOSED GRADES MINUS THE DEPTH OF SURFACE RESTORATION.
16. INSTALL DRAINAGE IMPROVEMENTS.
17. INSTALL LOWER PARKING LOT DRIVEWAY/PARKING LOT BASE MATERIAL, GRANITE CURBING AND BINDER COURSE PAVEMENT.

### PHASE 4 - BALL FIELDS, COURTS AND PLAYGROUND

18. REMOVE AND STOCKPILE TOPSOIL. REMOVE EXISTING BALL FIELDS, COURTS AND PLAYGROUND.
19. REGRADE TO PROPOSED GRADES MINUS THE DEPTH OF SURFACE RESTORATION.
20. INSTALL FIELD DRAINAGE.
21. INSTALL BALL FIELDS, COURTS AND PLAYGROUND.

### PHASE 4 - SIDEWALKS, MISCELLANEOUS WORK, PAVING, TREES, FINAL SEEDING AND CLEANUP

22. INSTALL SIDEWALKS.

### 23. INSTALL ACADEMY HILL ROAD DRAINAGE IMPROVEMENTS

### 24. MILL ACADEMY HILL ROAD

### 25. INSTALL FINAL PAVING AND BITUMINOUS CURBING.

26. FOLLOWING COMPLETION OF THE SIDEWALKS AND PAVING THE CONTRACTOR SHALL LOAM AND SEED ALL DISTURBED AREA (SEE SEEDING SECTION).

### 27. COMPLETE ALL OTHER WORK.

28. PLACEMENT OF TREES AND LANDSCAPING SHALL BE COMPLETED AT THE END OF THE PROJECT TO AVOID DAMAGE DURING CONSTRUCTION.

29. REMOVE ALL EROSION AND SEDIMENT STRUCTURES AFTER THE FINAL GRADED DISTURBED AREAS HAVE STABILIZED.

## CONSTRUCTION SCHEDULE

NO.	PHASE DESCRIPTION	ESTIMATED DURATION
1	INSTALLATION OF EROSION CONTROLS	1 TO 2 WEEKS
2	UPPER SITE CLEARING, WALLS, DRAINAGE AND GRADING	2 TO 3 MONTHS
3	ACADEMY HILL ROAD AND THE BARBER PROPERTY	1 TO 2 MONTHS
4	BALL FIELDS, COURTS AND PLAYGROUND	1 TO 2 MONTHS
5	SIDEWALKS, MISCELLANEOUS WORK PAVING, TREES, FINAL SEEDING AND CLEAN-UP	1 TO 2 MONTHS

THE CONTRACTOR MAY SUBMIT A SCHEDULE OF WORK FOR APPROVAL BY THE ENGINEER TO PERFORM WORK FOR DIFFERENT PHASES CONCURRENTLY.

## SEEDING

ALL DISTURBED AREAS SHALL BE RESTORED WITH A VEGETATIVE STABILIZATION MATERIAL (GRASS). THE SOIL SHOULD BE BROUGHT UP TO A PH OF 5.7 OR HIGHER. THIS CAN BE DONE BY USING THE APPROPRIATE AMOUNT OF GROUND LIMESTONE OR FERTILIZER, AS REQUIRED BY A SOIL TEST. IF A TEST IS NOT PERFORMED, THE AREA SHALL BE FERTILIZED WITH 10-10-10 OR EQUAL AT A RATE OF 300 POUNDS PER ACRE (11 POUNDS PER 1000 SQUARE FEET). THE LIME OR FERTILIZER SHOULD BE WORKED INTO THE SOIL A MINIMUM OF 4 INCHES. ALL STONES TWO INCHES OR LARGER IN DIAMETER SHALL BE REMOVED ALONG WITH ALL DELETERIOUS MATERIAL (SUCH AS BUILDING MATERIAL WASTE, STUMPS, ETC.). THE SEED SHALL BE APPLIED BY EITHER HAND, CYCLONE SEEDER, A CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING BOTH SEED AND FERTILIZER). HYDROSEEDINGS THAT ARE MULCHED MAY BE LEFT ON SOIL SURFACE. SEED MIX SHALL CONSIST OF 20 POUNDS OF KENTUCKY BLUEGRASS, 20 POUNDS OF CREEPING RED FESCUE, AND 5 POUNDS OF PERENNIAL RYEGRASS, FOR A TOTAL OF 45 POUNDS OF SEED PER ACRE. RECOMMENDED SEEDING DATES ARE APRIL 1 THROUGH JUNE 1 AND AUGUST 15 THROUGH SEPTEMBER 1. ALL SEEDING AREAS SHALL BE MAINTAINED TO ENSURE PROPER GROWTH AND TO MINIMIZE EROSION.

SEEDING IN THE SWALE WILL BE COMPLETED USING A TURF REINFORCEMENT MAT AND SEEDDED WITH NEW ENGLAND EROSION CONTROL/RESTORATION MIX. SEED MIX WILL BE SPREAD AT A RATE OF 35 LBS PER ACRE.

SEEDING AT THE BALL FIELD GRADING DISCHARGE POINT TO THE PUMPKIN HOLLOW BROOK WILL BE COMPLETED USING A TURF REINFORCEMENT MAT AND SEEDDED WITH NEW ENGLAND CONSERVATION/WILDLIFE MIX. SEED MIX WILL BE SPREAD AT A RATE OF 25 LBS PER ACRE.

## MULCH

MULCH SHALL CONSIST OF STRAW OR HAY. IT SHALL BE APPLIED AT A RATE OF 1.5 - 2.0 TONS PER ACRE, OR 70 - 90 POUNDS (1-1/2 - 2) BALES PER 1000 SQUARE FEET. ALL MULCH MATERIAL SHALL BE FREE FROM WEEDS AND COARSE MATTER. ALL REQUIRED GRADING SHOULD BE COMPLETED PRIOR TO PLACEMENT OF MULCH. APPLICATION OF MULCH MATERIAL SHALL BE BY HAND OR MACHINE AND UNIFORM IN THICKNESS. MULCH MATERIAL SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION TO MINIMIZE WINDBLOWN DISTURBANCE. ANCHORING SHALL BE BY MECHANICAL DEVICE OR LIQUID MULCH BINDER DURING MULCH APPLICATION.

## DEWATERING

IN THE EVENT DEWATERING IS REQUIRED, THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN A DEWATERING SETTLING BASIN AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EVALUATING THE REQUIRED DEWATERING RATES AND SIZING THE BASIN. THE DEWATERING BASINS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. DISCHARGE FROM THE BASIN SHALL BE DIRECTED AWAY FROM WETLAND AREAS AND SHALL NOT CREATE EROSION.

## MAINTENANCE OF EROSION AND SEDIMENT CONTROLS

MAINTENANCE OF EROSION AND CONTROL SHALL BE COMPLETED IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES OR AS REQUIRED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE GUIDELINES ON-SITE AND REFER TO THE APPROPRIATE MAINTENANCE PROCEDURES THAT SHALL BE UTILIZED DURING THE CONSTRUCTION. A SUMMARY OF THE MAINTENANCE REQUIREMENTS FOR THE PROJECT IS SUMMARIZED BELOW.

DURING CONSTRUCTION ALL EROSION AND SEDIMENT STRUCTURES SHALL BE MAINTAINED IN PROPER WORKING ORDER. DISTURBED AREAS SHALL BE KEPT TO A MINIMUM AND SHALL ONLY TAKE PLACE WHERE IMMEDIATELY REQUIRED TO FURTHER CONSTRUCTION. IT IS DESIRABLE FROM AN EROSION PREVENTION CONCERN TO MINIMIZE DISTURBED AREAS. FINAL GRADING AND SEEDING SHALL TAKE PLACE AS SOON AS PRACTICAL.

A RAIN GAUGE SHALL BE PLACED AT THE PROJECT IN A LOCATION TO BE APPROVED BY THE ENGINEER AND MONITORED DURING RAINFALL PERIODS UNTIL ALL DISTURBED AREAS ARE STABILIZED. IN THE EVENT THERE IS A RAINFALL GREATER THAN 1/2" IN A 12 HOUR PERIOD, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS REQUIRED WITHIN 24-HOURS OF THAT RAIN EVENT. IF NO RAIN GAUGE IS USED, ALL EROSION CONTROL MEASURES SHALL BE CHECKED AFTER ALL RAINFALL EVENTS.

CONSTRUCTION ENTRANCE: THE CONSTRUCTION ENTRANCE SHALL BE INSPECTED AT THE COMPLETION OF EACH WORKING DAY. THE ENTRANCE SHALL BE REPAIRED AND/OR TOP-DRESSED WITH ADDITIONAL AGGREGATE AS NECESSARY OR AS REQUIRED BY THE ENGINEER TO ELIMINATE RUTS AND PROVIDE A STABLE SURFACE FOR ENTERING AND EXITING THE PROJECT SITE. REMOVE ALL SEDIMENT SPILLED ON THE TRACKING PAD IMMEDIATELY TO AVOID TRACKING MATERIALS INTO EXISTING STREETS. ROADS ADJACENT TO THE CONSTRUCTION SHALL BE LEFT CLEAN AT THE END OF EACH WORKING DAY.

SILT FENCE AND HAY BALES: SILT FENCE AND HAY BALES SHALL BE INSPECTED A MINIMUM OF ONCE PER WEEK OR BASED ON RAINFALL AT THE PROJECT SITE OR AS REQUIRED BY THE ENGINEER. REPAIRS AND MAINTENANCE SHALL BE COMPLETED AS NEEDED TO MAINTAIN THE FACILITIES IN PROPER WORKING ORDER. ADDITIONAL SILT FENCE AND HAY BALES SHALL BE ADDED AS NEEDED DURING THE PROJECT TO REPLACE FAILED SYSTEMS OR LIMIT OTHER AREAS OF EROSION ON THE SITE.

TEMPORARY SEDIMENTATION BASIN: IF INSTALLED, THE SEDIMENTATION BASIN SHALL BE INSPECTED A MINIMUM OF ONCE PER WEEK, BASED ON RAINFALL AT THE PROJECT SITE OR AS REQUIRED BY THE ENGINEER. REPAIRS AND MAINTENANCE SHALL BE COMPLETED AS NEEDED TO MAINTAIN THE FACILITIES IN PROPER WORKING ORDER. THE SEDIMENTATION BASIN SHALL BE CLEANED WITH THE SEDIMENT ACCUMULATED EXCEEDS ONE HALF OF THE WET STORAGE CAPACITY OR WHEN THE DEPTH OF THE AVAILABLE WATER IS REDUCED TO LESS THAN 18-INCHES. THE CONTRACTOR SHALL INSTALL A MARKER STAKE IN 3 LOCATIONS WITHIN THE SEDIMENTATION BASIN FOR THE PURPOSE OF TRACKING SEDIMENT LEVELS. EXCAVATED SEDIMENTS SHALL BE STAGED AND SURROUNDED WITH HAY BALES IN A MANNER SIMILAR TO STAGING FOR TOPSOIL STOCKPILES.

A CHECK LIST (PROVIDED BY THE ENGINEER) SHALL BE FILLED OUT BY THE CONTRACTOR EVERY WEEK OR AFTER EACH RAINFALL EVENT OF 1/2" OR GREATER.

## GENERAL NOTES

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERFORMED IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES. THE CONTRACTOR SHALL OWN AND MAINTAIN A COPY OF THE GUIDELINES ON-SITE DURING CONSTRUCTION.

ALL DISTURBED AREAS SHALL BE KEPT TO A MINIMUM. FINAL GRADING AND RESTORATION SHALL BE ACCOMPLISHED AS SOON AS PRACTICAL.

EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED AND APPROVED PRIOR TO ANY SITE WORK.

ALL EROSION CONTROL STRUCTURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND REMOVED WHEN STABILIZATION HAS BEEN ATTAINED. IF THE PROPOSED CONTROL MEASURES ARE NOT SATISFACTORY, ADDITIONAL CONTROL MEASURES SHALL BE TAKEN.

ALL RUNOFF FROM THE DISTURBED AREA SHALL BE CONTROLLED AND FILTERED. NON-WOVEN SYNTHETIC FIBER FILTER FABRIC, HAY BALES OR SILT FENCE SHALL BE USED IN THE AREAS SHOWN ON THE SITE PLAN AND INSTALLED AS SHOWN ON THIS PLAN.

THE CONTRACTOR MUST OBTAIN COPIES OF THE ZONING, WETLANDS AND MASSDEP STORMWATER PERMITS PRIOR TO THE START OF WORK.

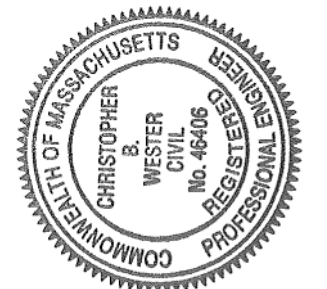
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF SEDIMENT AND EROSION CONTROL MEASURES. THIS RESPONSIBILITY INCLUDES THE ACQUISITION OF MATERIALS, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT STRUCTURES, THE COMMUNICATION AND DETAILED EXPLANATION TO ALL PEOPLE INVOLVED IN THE SITE WORK OF THE REQUIREMENTS AND OBJECTIVE OF THE EROSION AND SEDIMENT CONTROL MEASURES.

TWO (2) WEEKS PRIOR TO THE START OF WORK THE CONTRACTOR SHALL PROVIDE THE NAME AND PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THIS PLAN.

IN THE EVENT THE APPLICANT IS NOT OWNER OF THE PROPERTY, THE CURRENT OWNER SHALL HAVE ALL THE RESPONSIBILITIES LISTED ABOVE AND SHALL SUBMIT A WORKING PHONE NUMBER FOR CONTACT AT TIME OF APPLICATION FOR PERMITS. ANY CHANGE IN ENGINEER SHALL BE NOTED AT THIS TIME.

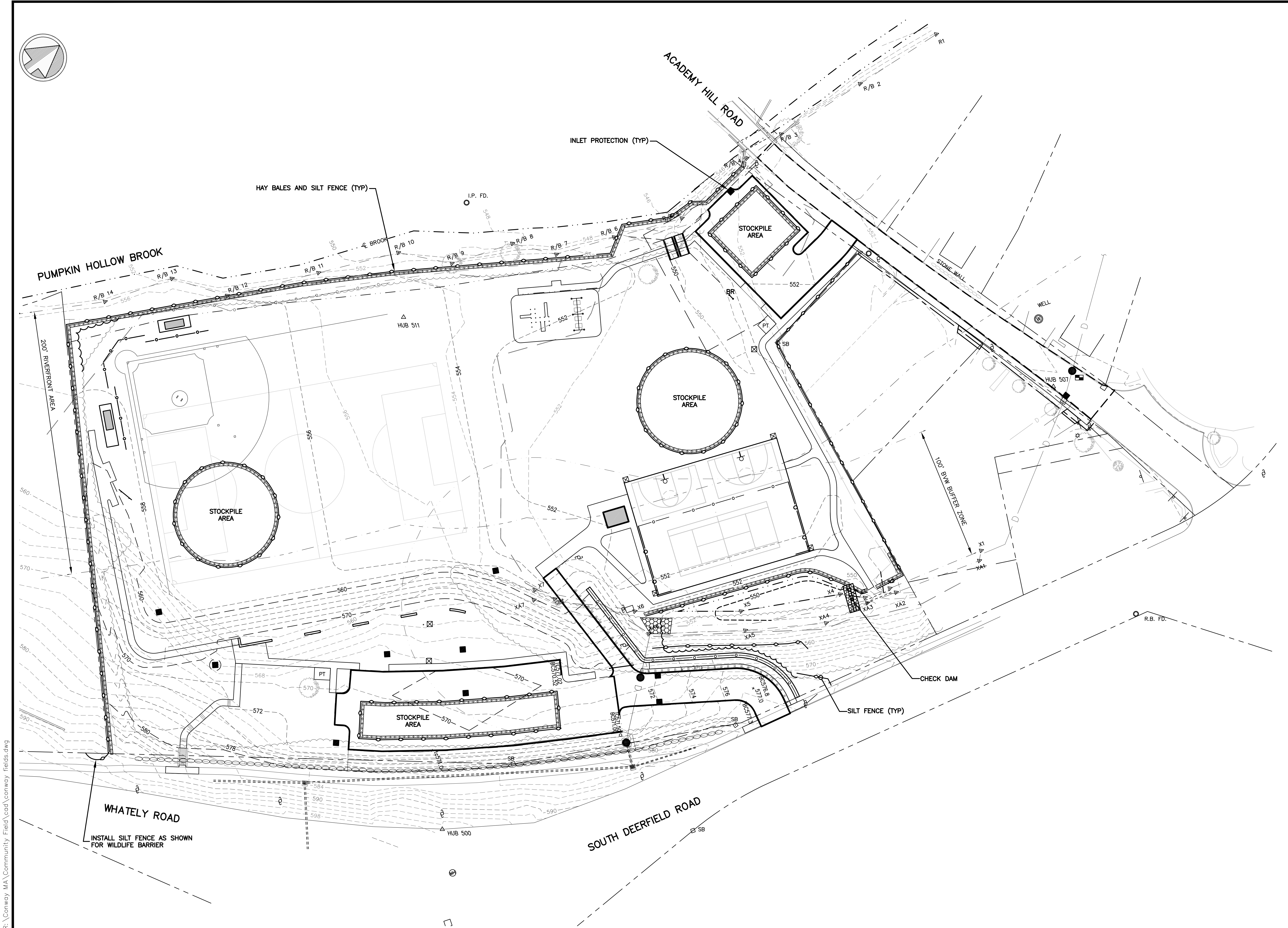
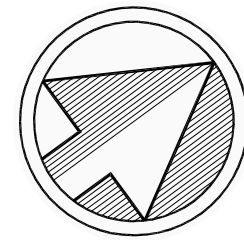
THE ENGINEER, WESTON & SAMPSON ENGINEERS, INC. (860-513-1473) #273 DIVIDEND ROAD, ROCKY HILL, CT. 06067 SHALL BE NOTIFIED OF ANY PROPOSED ALTERATION TO THE EROSION AND SEDIMENT CONTROL PLAN, PRIOR TO ALTERING, IN ORDER TO ENSURE THE FEASIBILITY OF THE CHANGES IN THE PLAN.

No.	Date	Dr. By	Ck. By	App. By	Description
					A P R O V E D
					REGISTERED PROFESSIONAL ENGINEER



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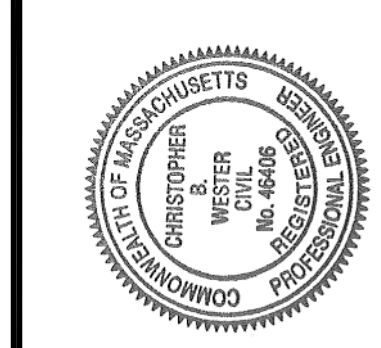


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**Weston&Sampson**  
 Five Centennial Drive, Peabody, MA 01960  
 (978) 532-1900 (800) SAMPSON  
 www.westonandsampson.com

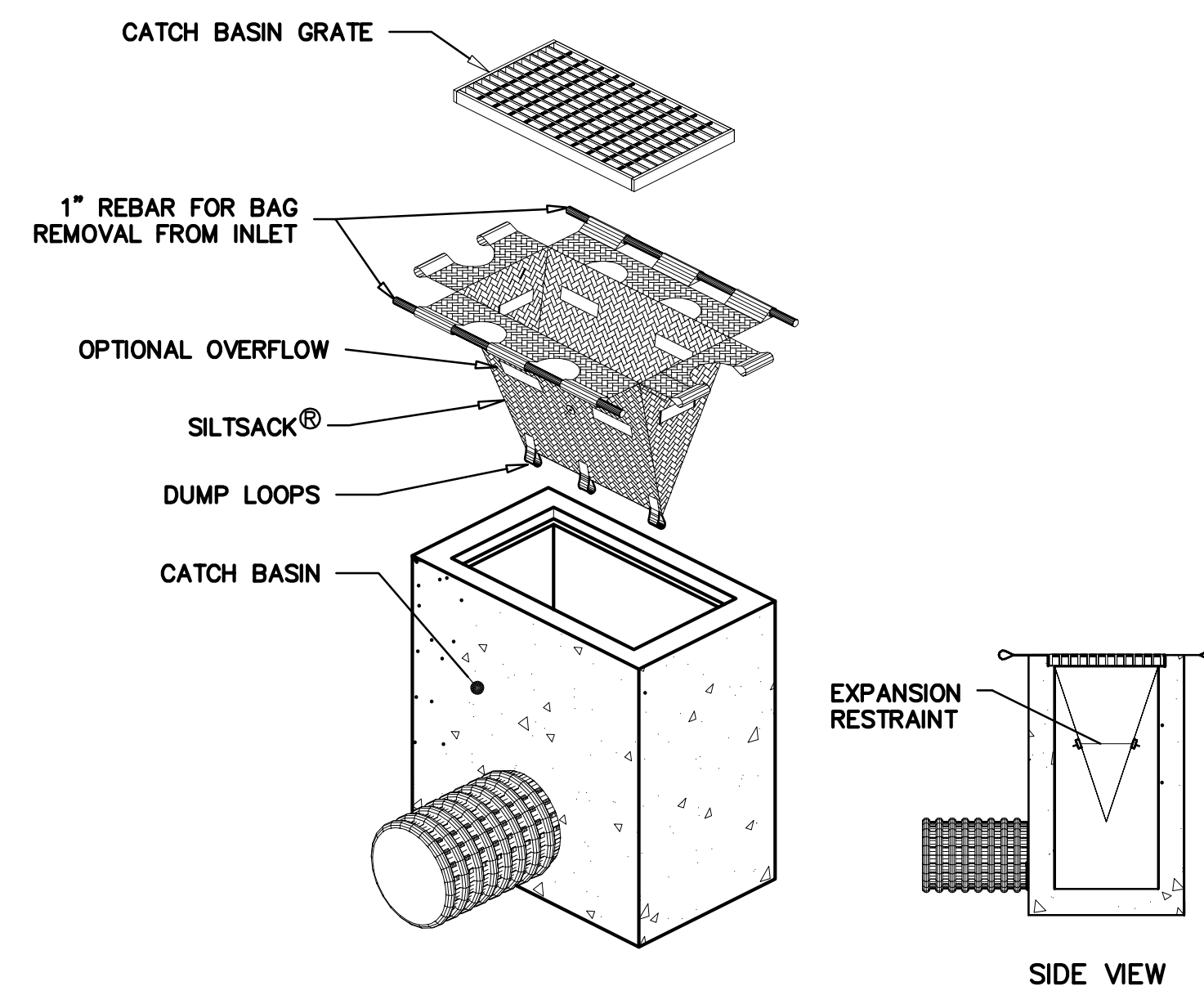
1	4-28-14	WGS	DRL	PJC	ADDENDUM 1	Description
No.	Date	Dr. By	Chk. By	App. By		
		A	P	P	R	O
		V	E	D		

REGISTERED PROFESSIONAL ENGINEER  
*Ch. B. Weston*  
 DATE

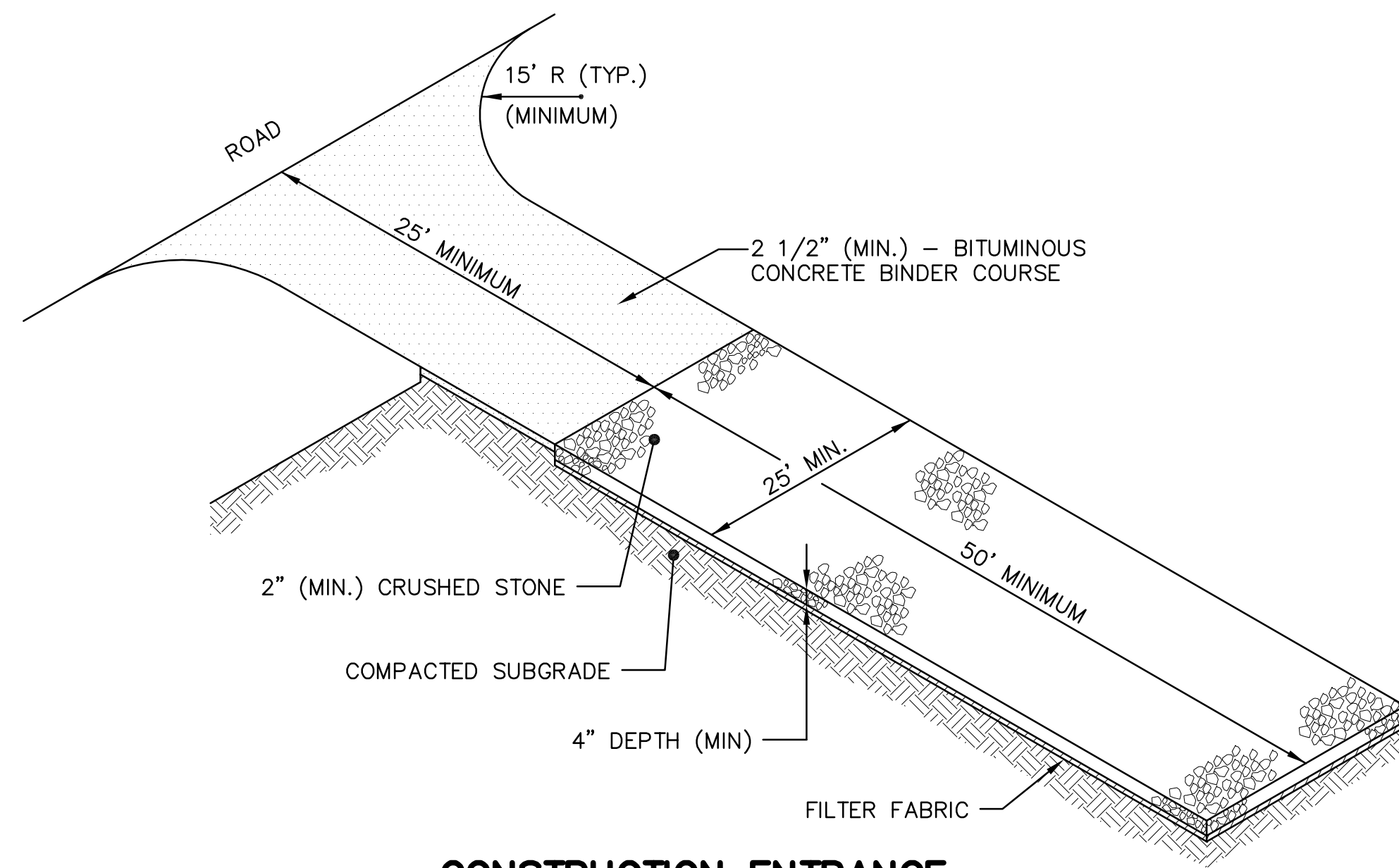


TOWN OF CONWAY, MASSACHUSETTS  
 BOARD OF SELECTMEN  
 CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT  
**SOIL EROSION AND SEDIMENT CONTROL PLAN**  
 SCALE: AS NOTED  
 CONTRACT: 2120504  
 JOB NO. 2120504  
 DR. BY: WGS  
 DSN. BY: WGS  
 CHK. BY: DRL  
 APP. BY: CBW

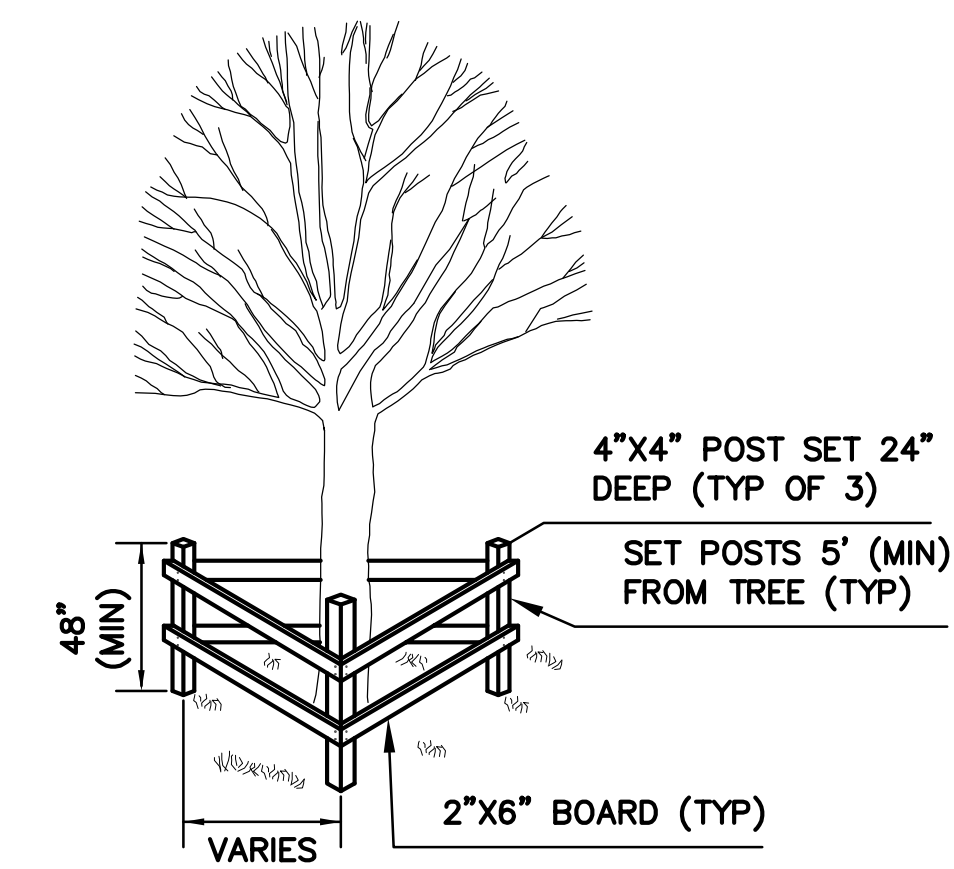
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 FILE NO.



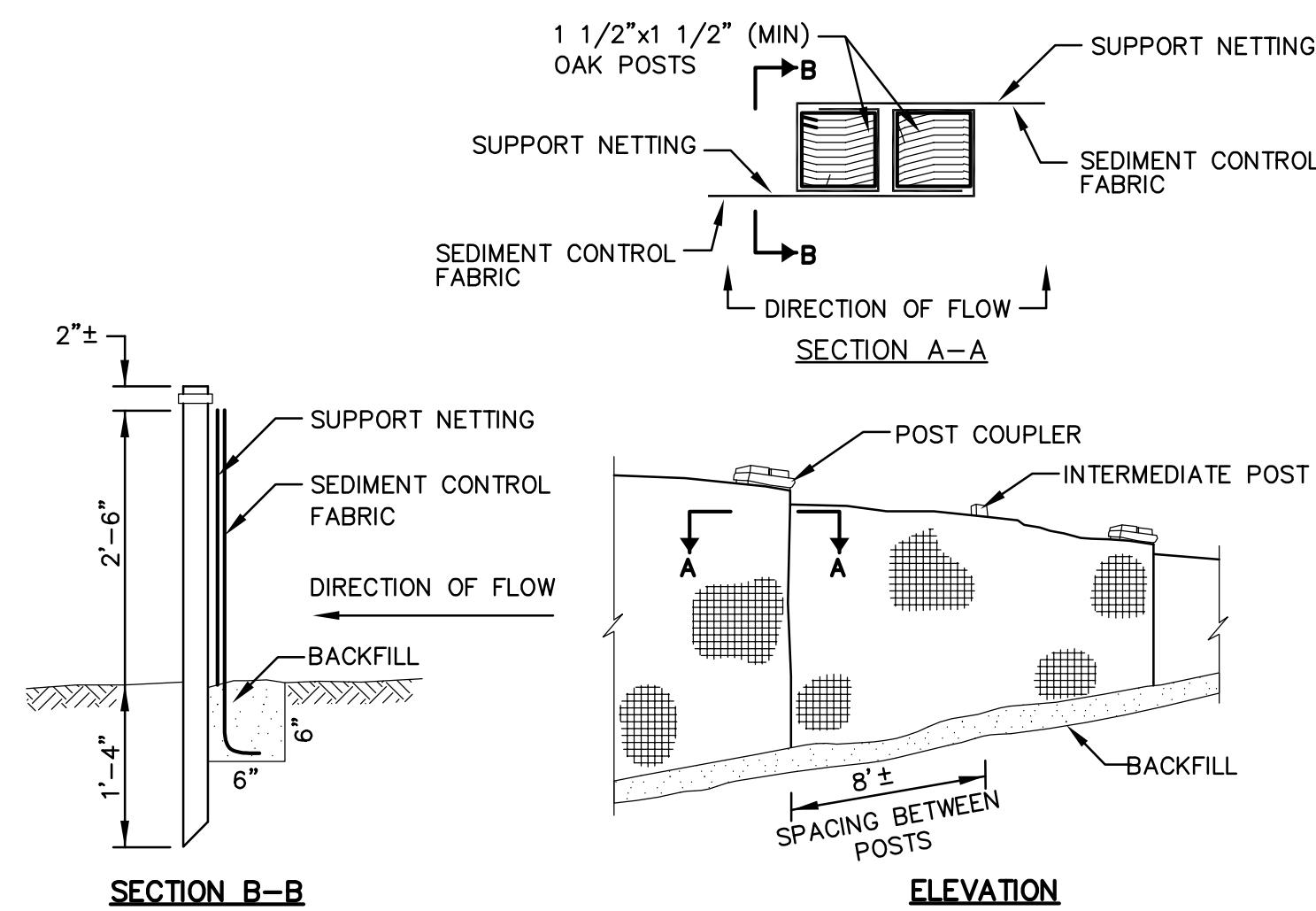
**CATCH BASIN INLET PROTECTION**  
N.T.S.



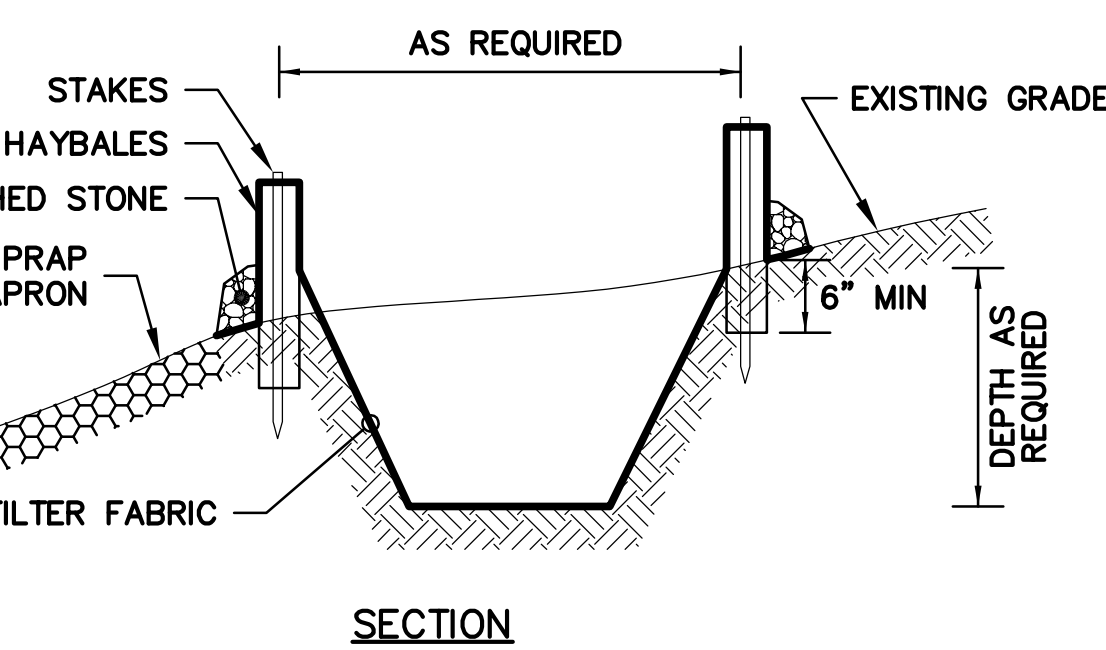
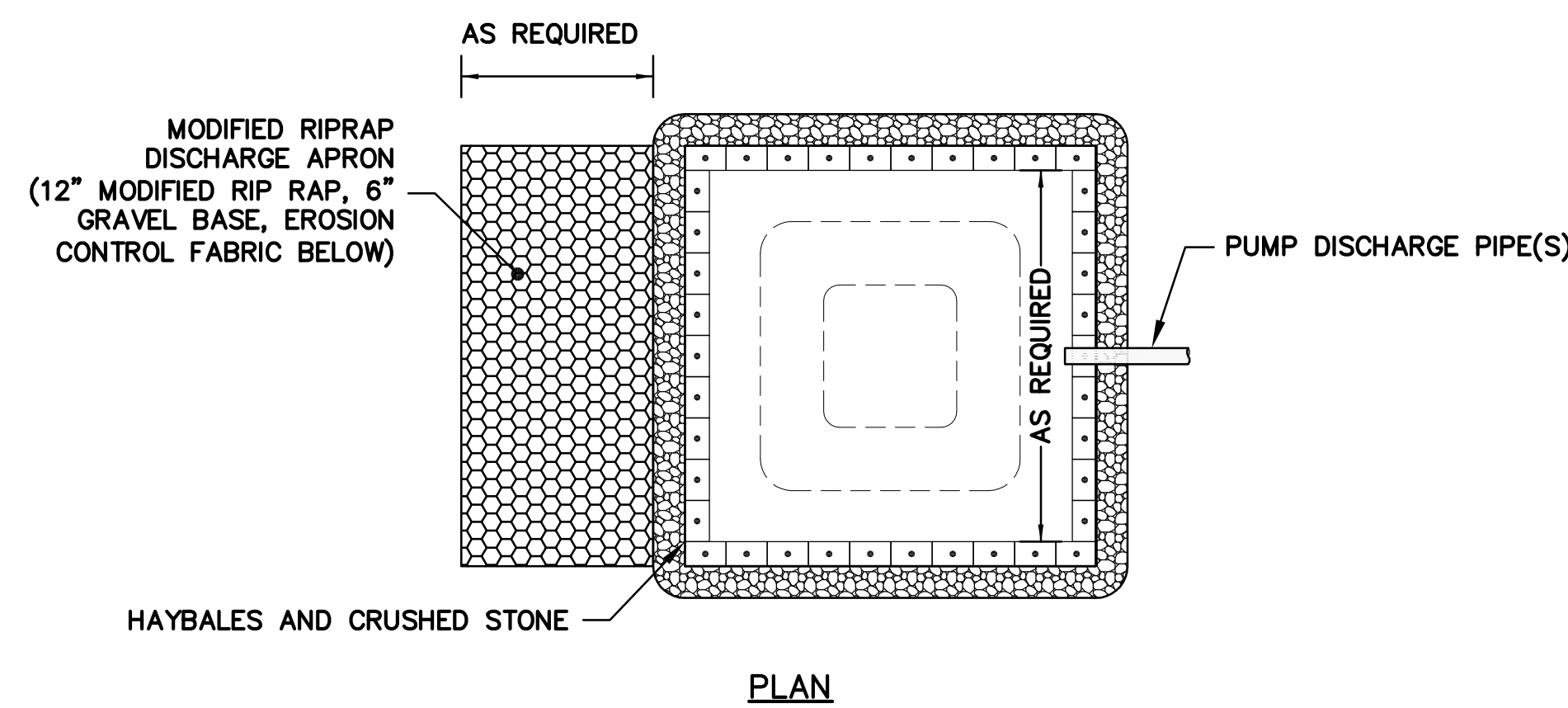
**CONSTRUCTION ENTRANCE**  
N.T.S.



**TREE PROTECTION DETAIL**  
N.T.S.

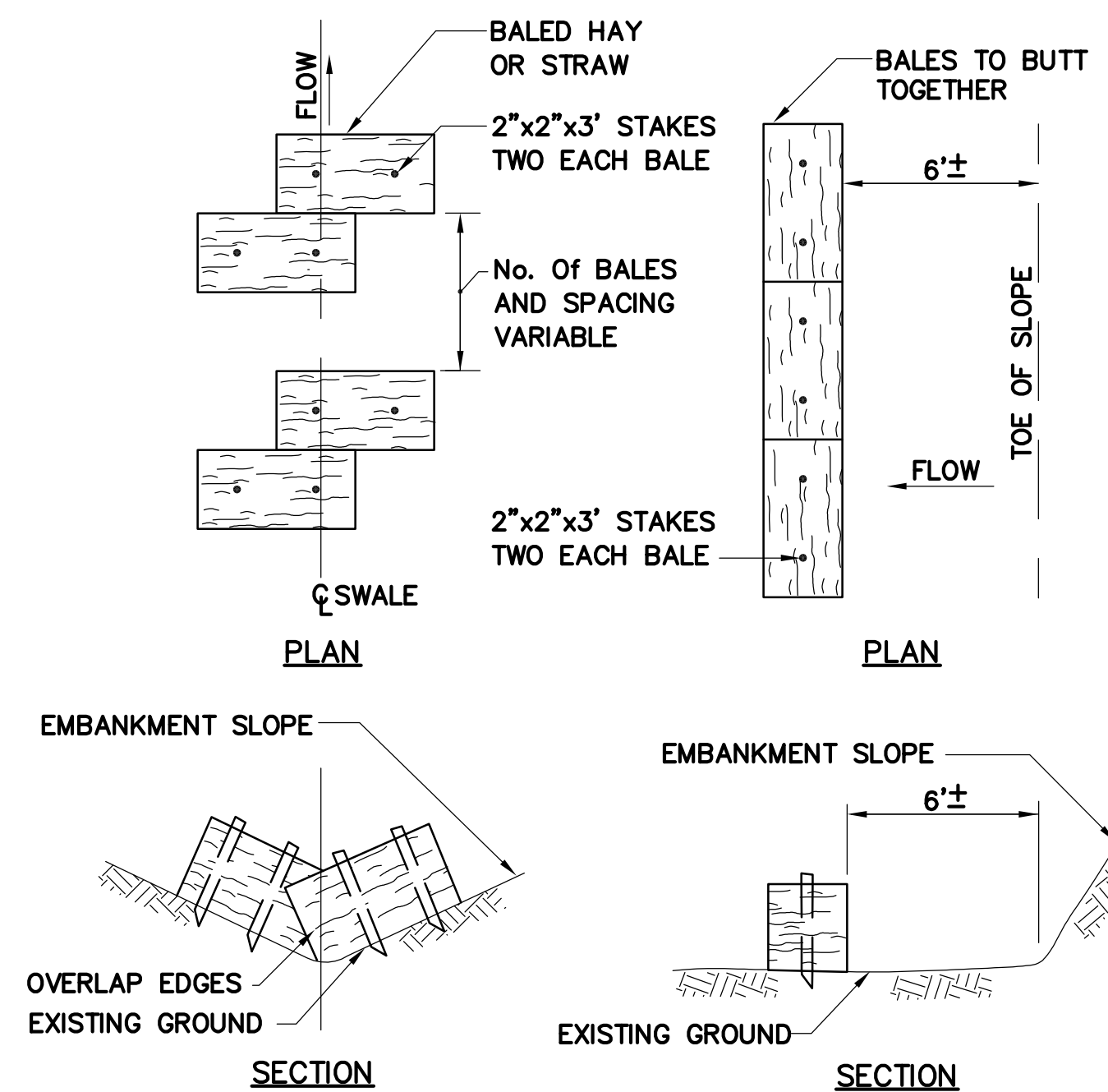


**SILT FENCE DETAIL**  
N.T.S.

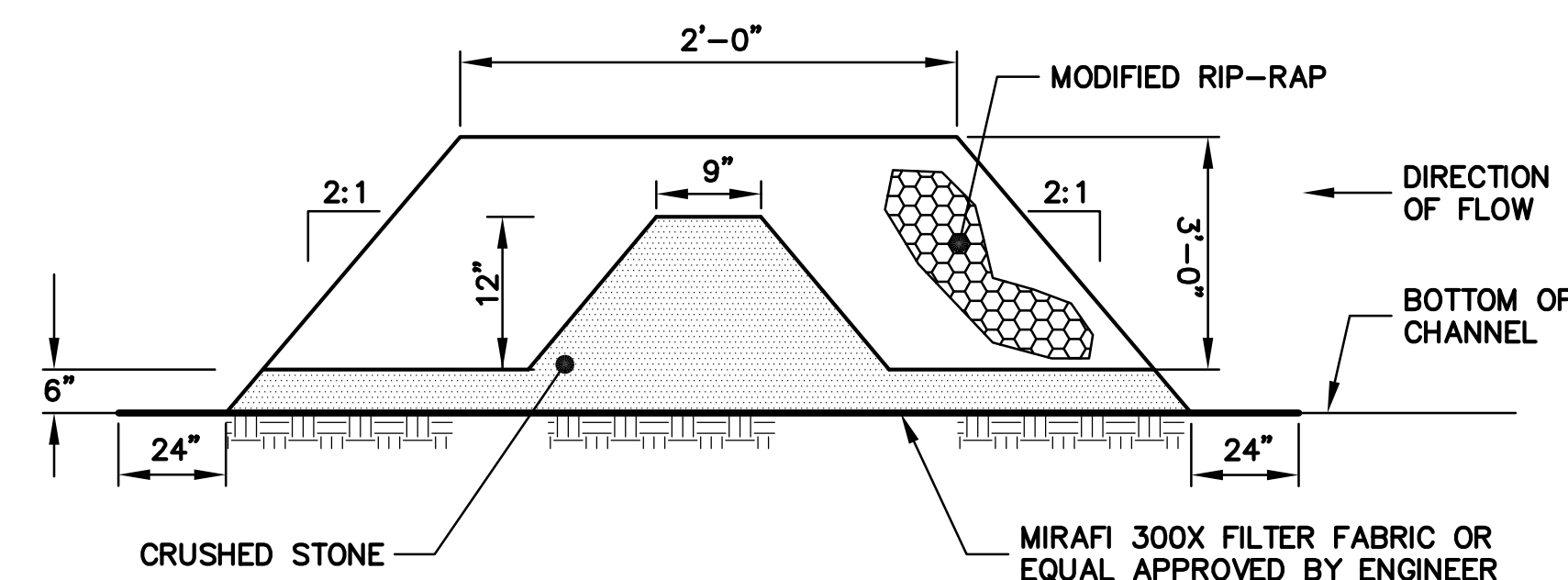


- NOTES:**
1. LOCATIONS OF SEDIMENTATION BASIN SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
  2. THE CONTRACTOR SHALL SIZE BASIN BASED ON THE SELECTED PUMP DISCHARGE FLOWS TO ALLOW FOR PROPER FUNCTION OF THE BASIN.
  3. THE CONTRACTOR SHALL ENLARGE THE BASIN(S) AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.
  4. ALTERNATE SEDIMENTATION BASINS MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER.

**TYPICAL SEDIMENTATION BASIN**  
N.T.S.



**HAY BALES DETAIL**  
N.T.S.



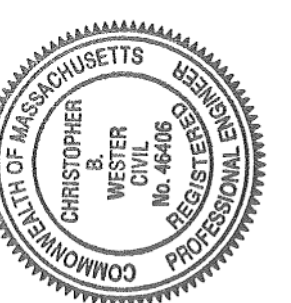
- NOTES:**
1. THE CONTRACTOR SHALL MAINTAIN AND CLEAN CHECK DAM(S) PERIODICALLY TO INSURE THEIR PROPER FUNCTION.

**TEMPORARY ROCK CHECK DAM**  
N.T.S.

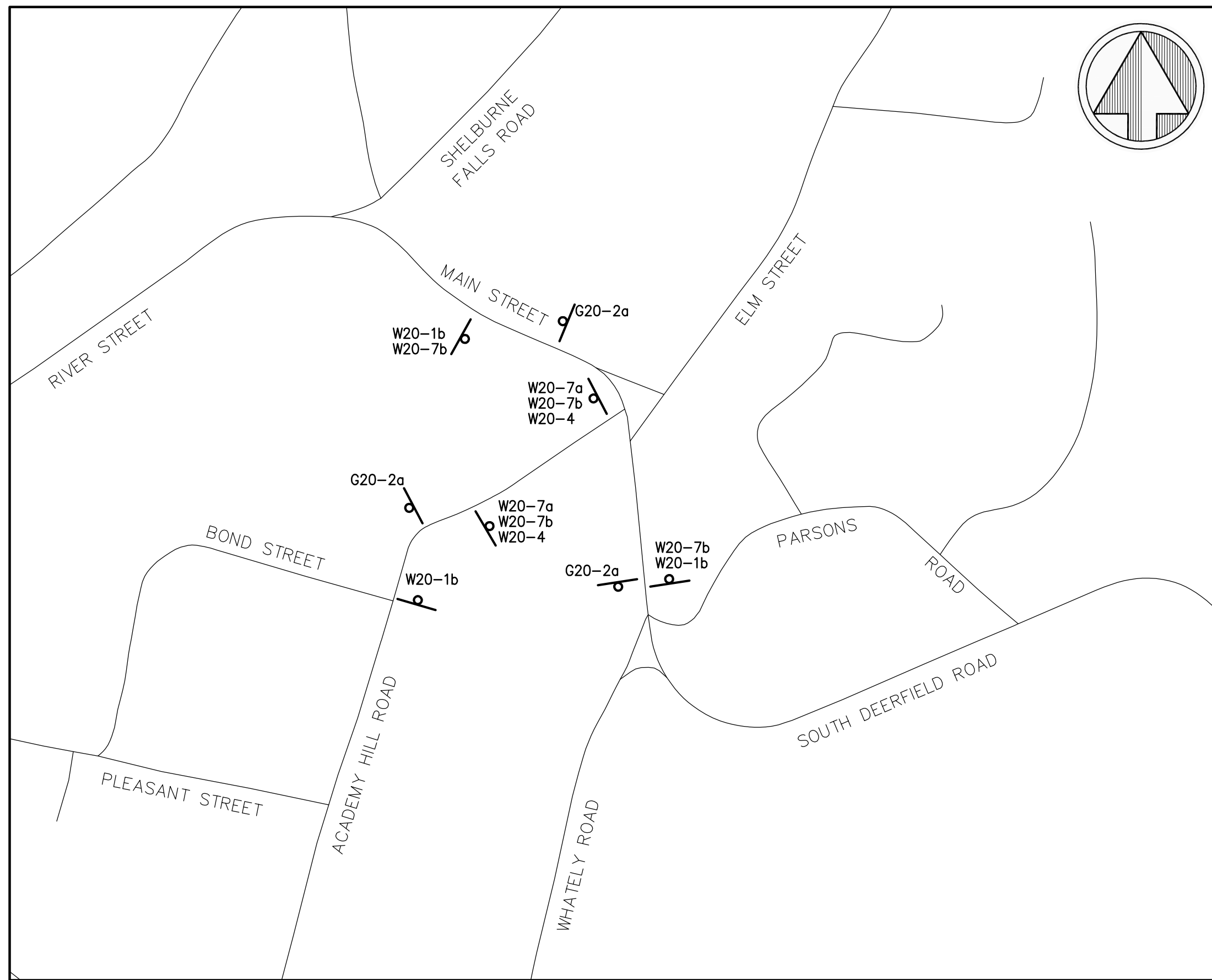
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No.	Date	Dr. By	Chk. By	App. By	Description
					A P P R O V E D

REGISTERED PROFESSIONAL ENGINEER  
*Ch. B. Weston*  
DATE \_\_\_\_\_

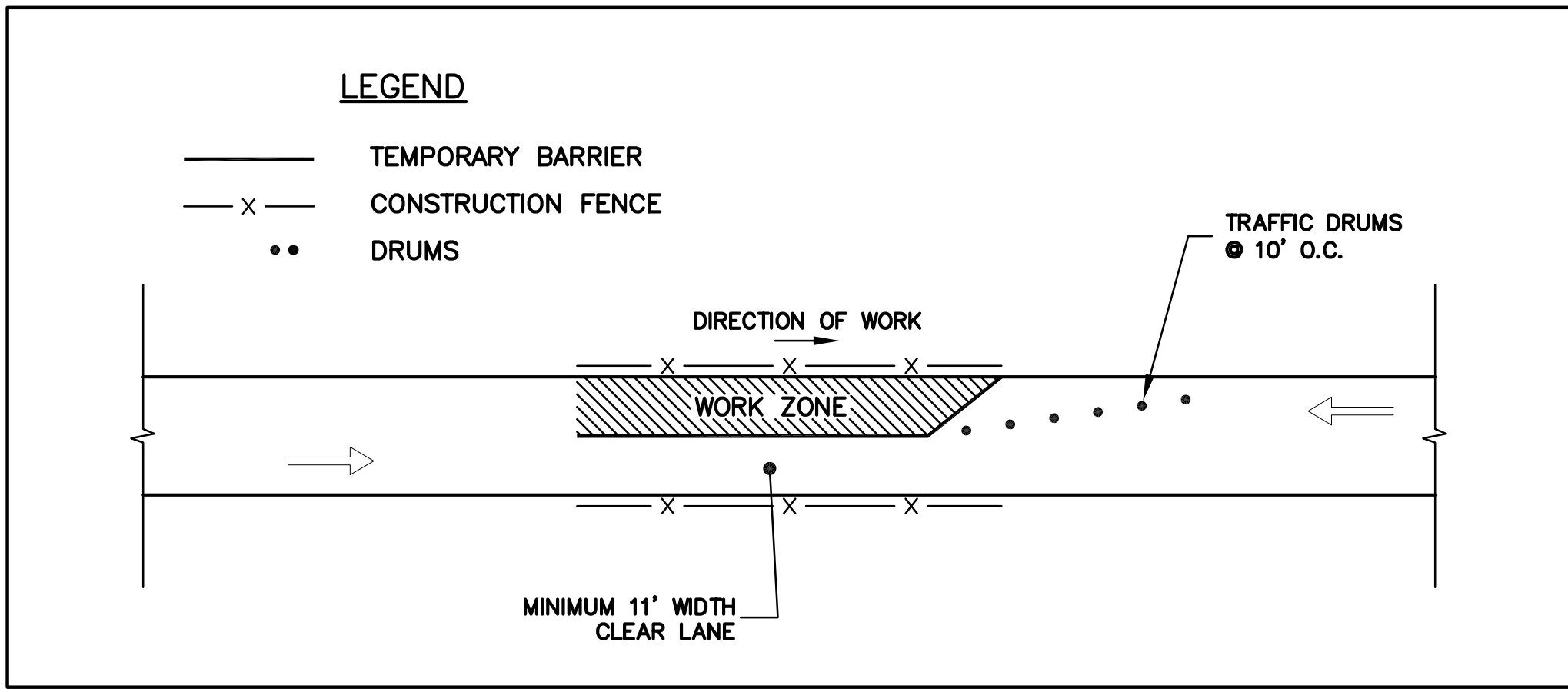


TOWN OF CONWAY, MASSACHUSETTS BOARD OF SELECTMEN	CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT	SCALE: AS NOTED	FILE NO. CONWAY FIELD	CONTRACT: 2120504	JOB NO. 2120504	DR. BY: WGS	CHK. BY: WGS	APP. BY: CBW
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**TRAFFIC CONTROL SIGNAGE PLAN**

SCALE: 1"=300'



**TYPICAL WORK ZONE - ONE LANE CLOSURE**

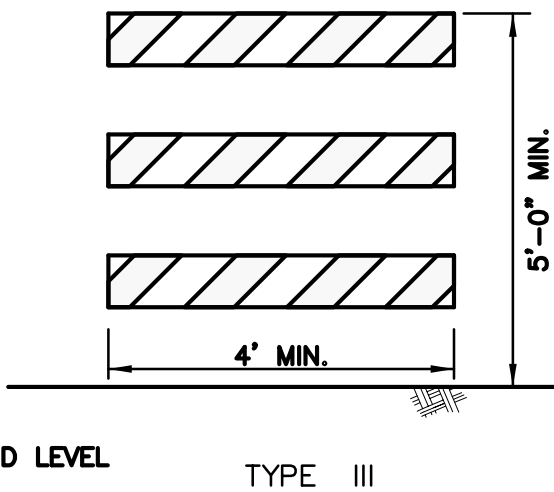
NOT TO SCALE

**TRAFFIC CONTROL - GENERAL NOTES:**

1. DURING NON-WORKING HOURS, ALL TRENCHES ARE TO BE RESTORED AS SPECIFIED OR REQUIRED.
2. ALL TRAFFIC CONTROL TO MEET THE MUTCD (LATEST EDITION).
3. CHANNELIZE TRAFFIC AS REQUIRED USING REFLECTORIZED DRUMS AND STEADY-BURN LIGHTS. RELOCATE DRUMS AS REQUIRED DURING CONSTRUCTION.
4. PROVIDE POLICE PROTECTION OR MASSDOT CERTIFIED FLAGGERS TO DIRECT TRAFFIC AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE EMERGENCY VEHICLE ACCESS AT ALL TIMES.
6. REFER TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR ADDITIONAL INFORMATION.

**LEGEND**

- TEMPORARY BARRIER
- x — CONSTRUCTION FENCE
- DRUMS



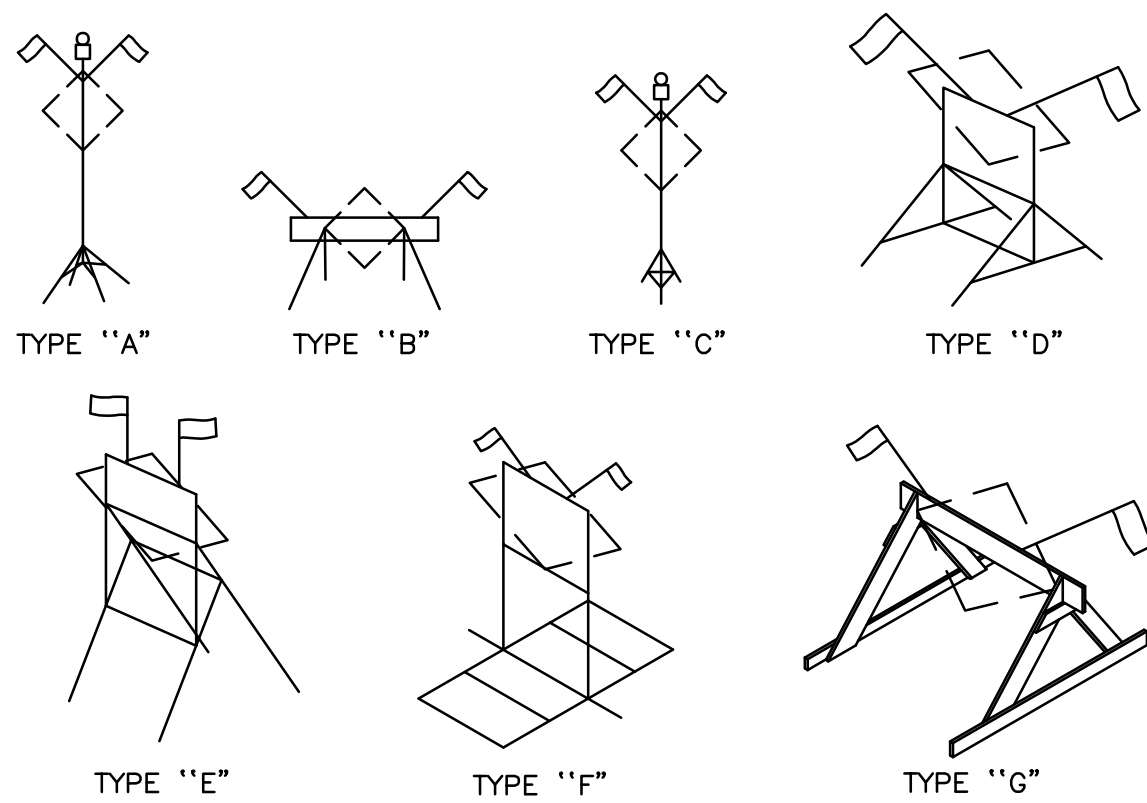
GROUND LEVEL TYPE III

**NOTES:**

1. ALUMINUM BARRICADE FACE PANELS SHALL BE MOUNTED ON 3" OR 4" P.V.C. BARRICADE SUPPORT.
2. MARKINGS FOR BARRICADE FACE PANELS SHALL BE 8" TO 12" IN HEIGHT AND ALTERNATE ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES AT A 45° ANGLE SHALL BE USED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE REFLECTIVE SHEETING - ENCAPSULATED LENS. BARRICADE FACE PANELS AS NOTED SHALL BE REFLECTORIZED ON BOTH SIDES. WHERE TRAFFIC PASSES ONLY IN ONE DIRECTION OF TRAVEL, ONLY THE SIDE FACING TRAFFIC SHALL BE REFLECTORIZED.
4. ALUMINUM BARRICADE FACE PANELS SHALL HAVE ROUNDED CORNERS.
5. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE FACE PANEL WHICH THE ENGINEER DEEMS HAZARDOUS, AND NOT IN THE BEST INTEREST OF THE MOTORING PUBLIC, OR NOT SUITABLE FOR PURPOSE INTENDED.

**ALUMINUM BARRICADE FACE PANELS**

N.T.S.

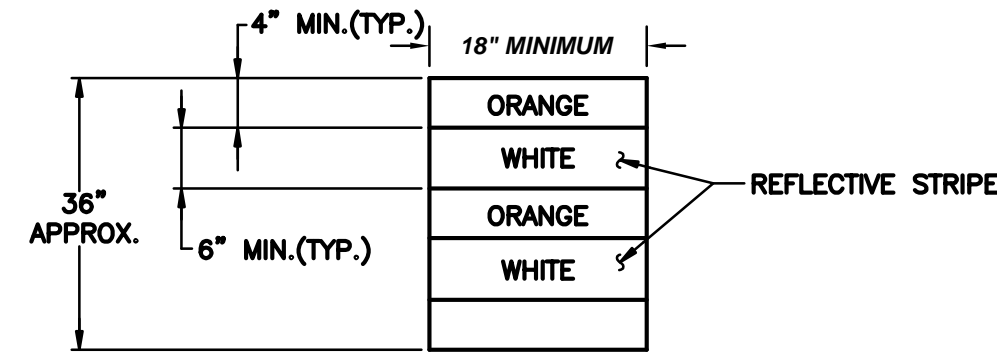


**NOTES:**

1. SIGN SUPPORTS SHALL BE CONSTRUCTED OF A SUITABLE MATERIAL. BREAKAWAY AND/OR COLLAPSIBLE FEATURES SHALL BE INCORPORATED IN THE SIGN SO THAT THE SUPPORT WILL NOT CONSTITUTE A HAZARD TO THE MOTORIST AND/OR WORKERS IN THE WORK AREA. SIGNS MUST MEET NCHRP 350 STANDARDS AND THE MUTCD.
2. MOUNTING HEIGHT OF SIGN UTILIZING STRUCTURES DEPICTED ABOVE SHALL BE A MINIMUM OF 12", WITH A RECOMMENDED HEIGHT OF 18" ABOVE PAVEMENT.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT WHICH THE ENGINEER DEEMS A HAZARD, OR NOT IN THE BEST INTEREST OF THE MOTORING PUBLIC.
4. FLAGS AND/OR BARRICADE WARNING LIGHTS SHALL BE USED AS SHOWN ON THE TRAFFIC CONTROL PLANS AND AS REQUIRED BY THE ENGINEER.

**PORTABLE SIGN SUPPORTS**

N.T.S.



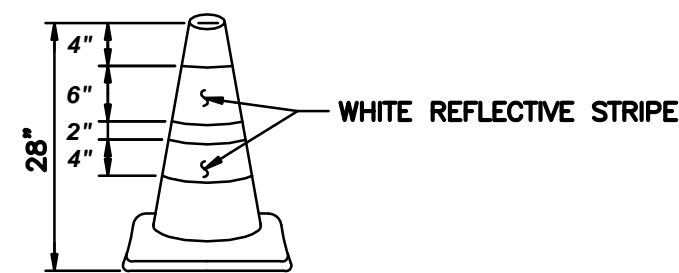
FRONT VIEW

**NOTES:**

1. TRAFFIC DRUM SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION M.U.T.C.D.
2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED NOT SUITABLE FOR THE PURPOSE INTENDED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE FLEXIBLE ENCAPSULATED LENS REFLECTIVE SHEETING.
4. REFLECTORIZED STRIPES SHOULD NOT BE PLACED OVER THE PROTRUDING CIRCUMFERENTIAL RIBS OF THE DRUM.
5. THE SECTIONS OF DRUMS NOT COVERED WITH REFLECTORIZED STRIPES SHALL BE ORANGE.
6. THE DESIGN OF THE DRUM WILL ALLOW FOR THE ATTACHMENT OF A BARRICADE WARNING LIGHT.

**TRAFFIC DRUM**

N.T.S.

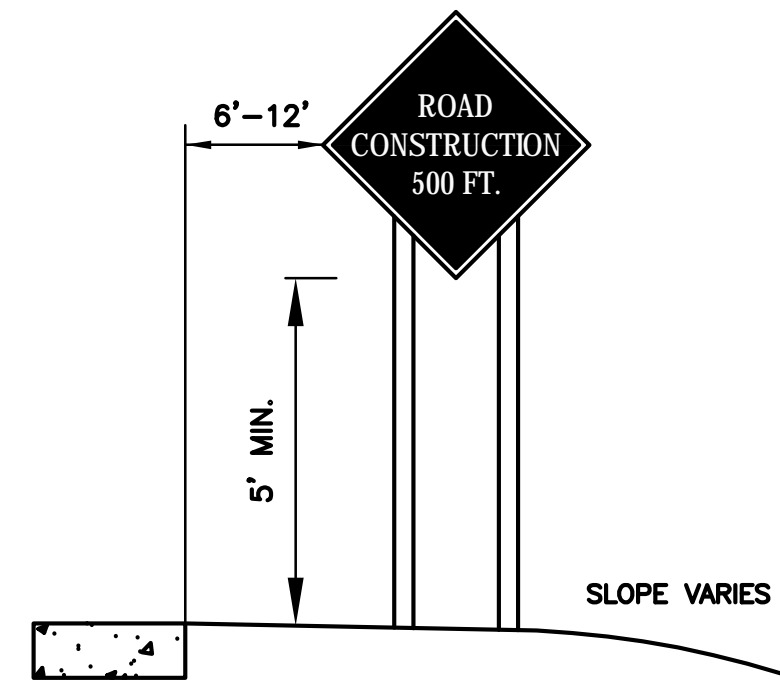


**NOTES:**

1. TRAFFIC CONES SHALL BE DESIGNED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CHAPTER VI, SECTION 6C-3, CONE DESIGN.
2. HEIGHT OF CONES SHALL BE 28"
3. CONES SHALL BE PREDOMINATELY FEDERAL ORANGE IN COLOR AND WITH RETROREFLECTIVE STRIPS.
4. RUBBER CONES SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
5. PLASTIC CONES SHALL BE COLOR IMPREGNATED.
6. CONES SHALL BE OF A THICKNESS NECESSARY TO WITHSTAND IMPACT WITHOUT DAMAGE TO EITHER CONE OR IMPACTING VEHICLE.
7. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE THE ENGINEER DEEMS NOT SUITABLE FOR PURPOSE INTENDED.

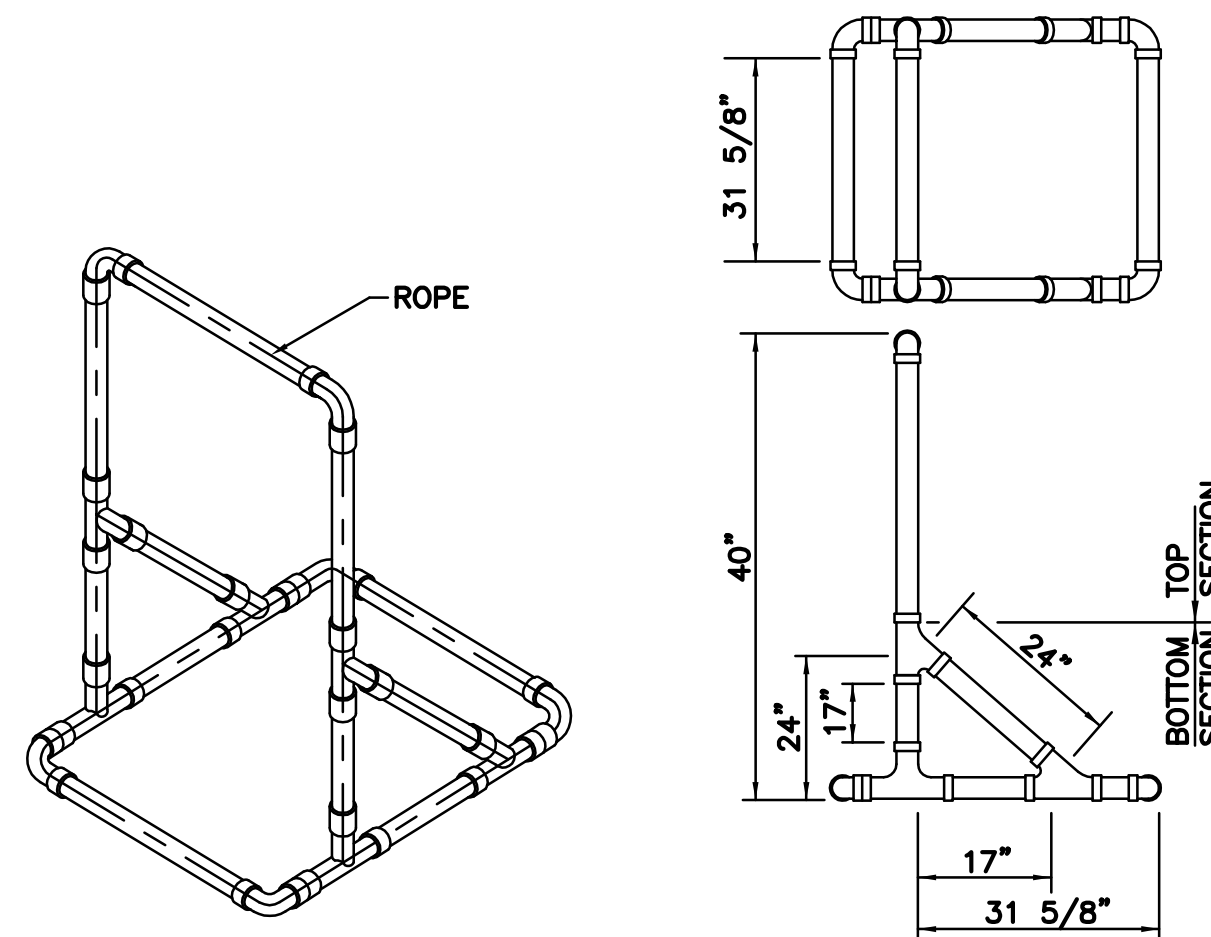
**TRAFFIC CONES**

N.T.S.



**HEIGHT AND LATERAL LOCATIONS OF SIGNS**

N.T.S.



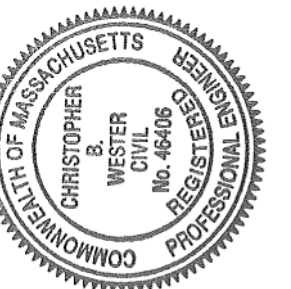
**NOTES:**

1. DIMENSIONS ARE APPROXIMATE.
2. BOTTOM SECTION MAY BE FILLED WITH SAND FOR BALLAST.
3. SUPPORT SHALL BE LOOSELY THREADED WITH ROPE, KNOTTED AS REQUIRED.

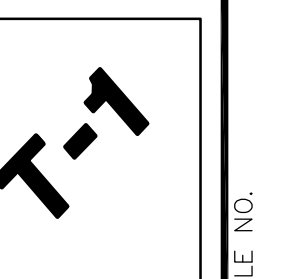
**TYPICAL 3" OR 4" PLASTIC SIGN/BARRICADE SUPPORT**

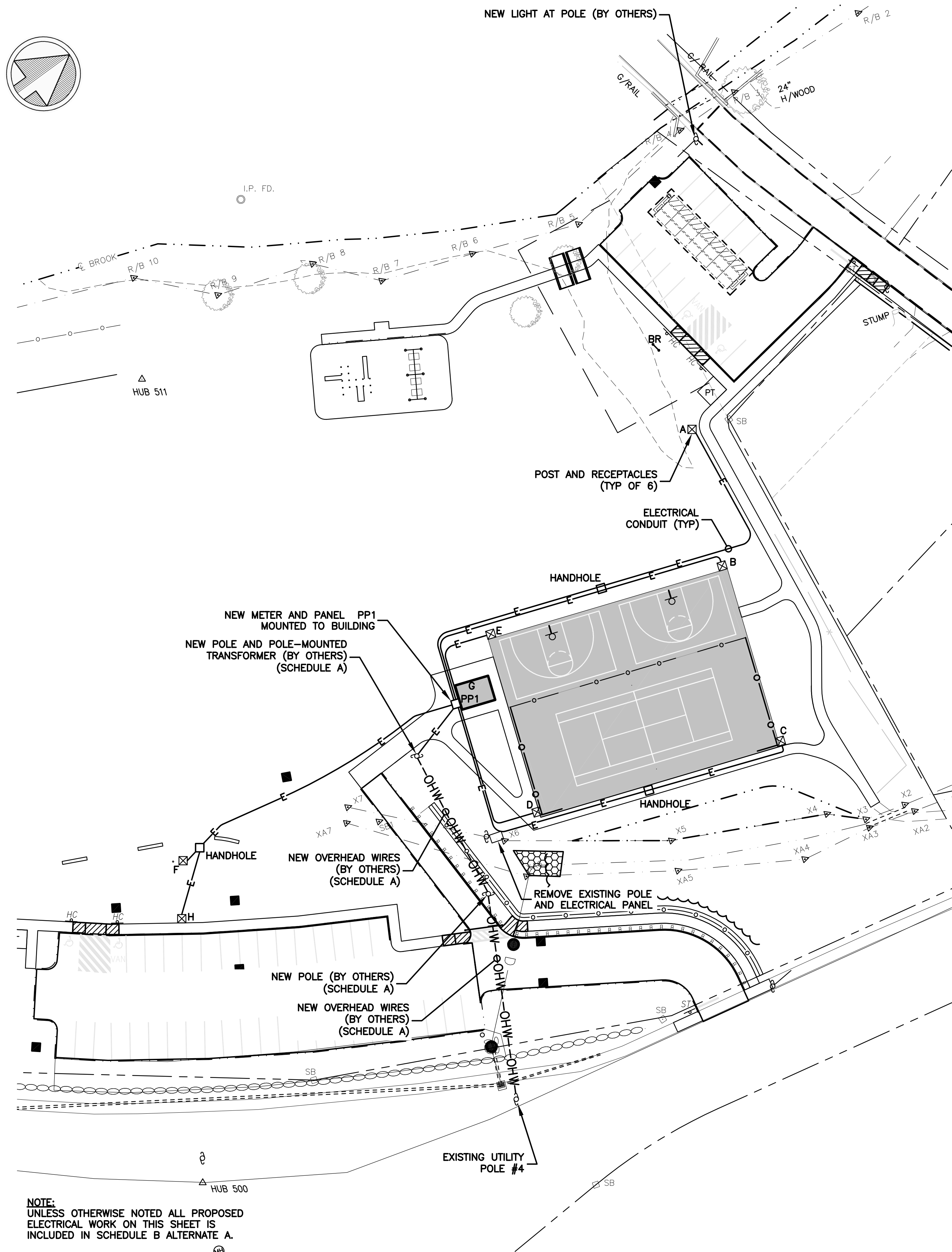
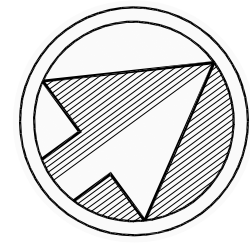
N.T.S.

No.	Date	Dr. By	Chk. By	App. By	Description
					A P P R O V E D
					REGISTERED PROFESSIONAL ENGINEER
					DATE



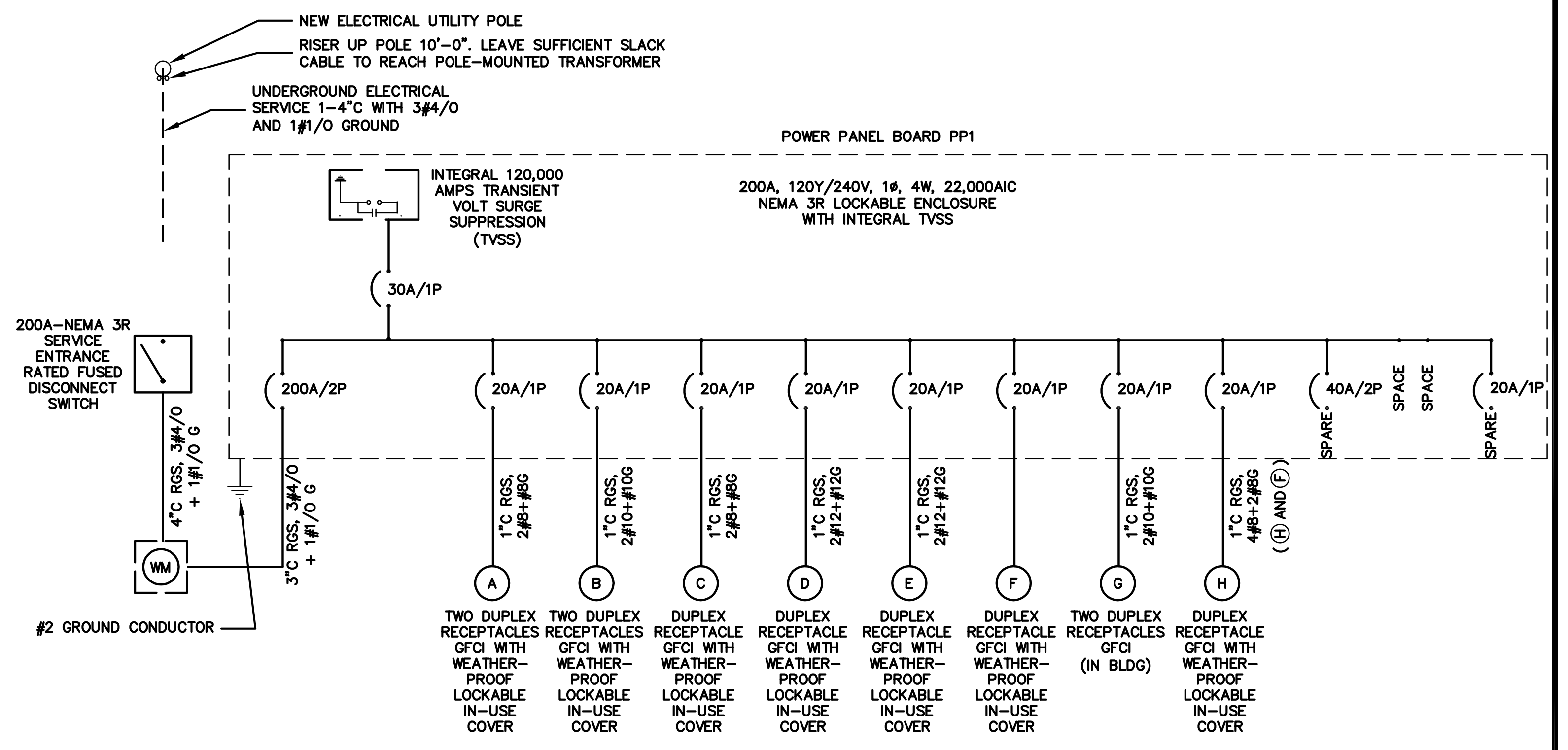
TOWN OF CONWAY, MASSACHUSETTS	DR. BY	WGS	CHK. BY	DRL	APP. BY	CBW
BOARD OF SELECTMEN	JOB NO.	2120504	CONTRACT			
CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT	SCALE	AS NOTED				
CONSTRUCTION ZONE SAFETY PLAN						



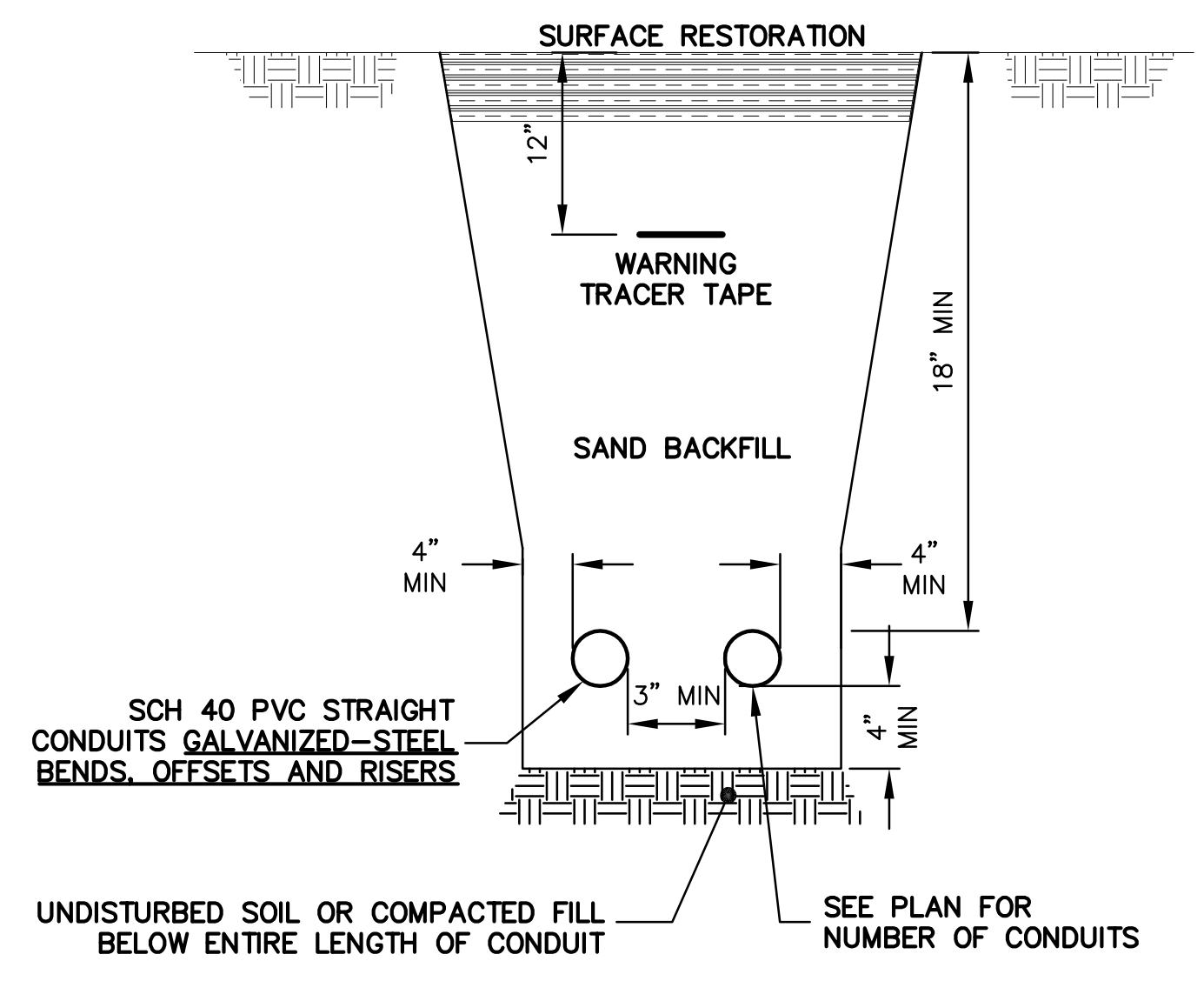


NOTE:  
UNLESS OTHERWISE NOTED ALL PROPOSED ELECTRICAL WORK ON THIS SHEET IS INCLUDED IN SCHEDULE B ALTERNATE A.

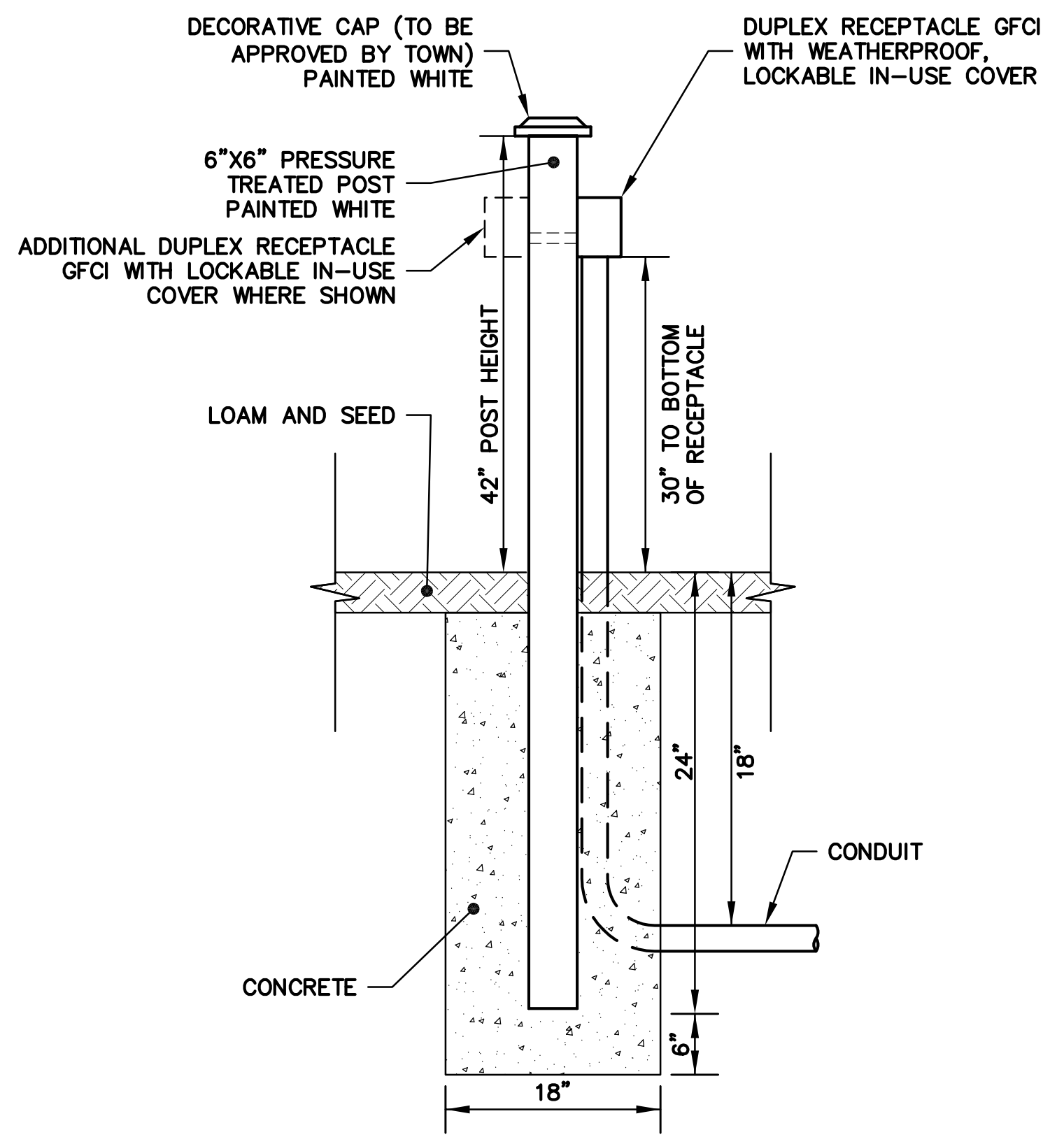
PLAN  
SCALE: 1"=30'



SINGLE LINE DIAGRAM



ELECTRICAL CONDUIT TRENCH  
N.T.S.



POST AND RECEPTACLE DETAIL  
N.T.S.

1	4-28-14	WGS	DRL	PJC	ADDENDUM 1	Description
	No.	Date	Dr. By	Ck. By	App. By	
			A	P	R	O
			V	E	D	
						DATE

REGISTERED PROFESSIONAL ENGINEER

TOWN OF CONWAY, MASSACHUSETTS BOARD OF SELECTMEN	CONWAY FIELD	SCALE: AS NOTED	CONTRACT: AS NOTED	JOB NO. 2120504	DR. BY: WGS	CHK. BY: DRL	APP. BY: CBW
<b>PROPOSED ELECTRICAL PLAN</b>							
CONWAY DOWNTOWN PARKING AND SAFETY IMPROVEMENTS PROJECT							