



Note: Listed below are the Indiana Underground Plant Protection Services Contacts; Others not listed may exist.

SEWER
CITY OF FRANKLIN DEPARTMENT OF
PUBLIC WORKS
798 S. STATE STREET
FRANKLIN, IN 46131
PHONE: (317) 736-2965
CONTACT: RICK LITTLETON

WATER
INDIANA AMERICAN WATER COMPANY
555 E. COUNTY LINE ROAD
BLOOMINGTON, IN 47401
PHONE: (317) 807-2462
CONTACT: JACQUELYNE SANDERS

CABLE
INSIGHT COMMUNICATIONS
2450 S. HENDERSON STREET
BLOOMINGTON, IN 47401
PHONE: (317) 885-2405
CONTACT: STEVE MCARTOR

GAS
VECTREN ENERGY
600 INDUSTRIAL DRIVE
FRANKLIN, IN 46131
PHONE: (317) 736-2831
CONTACT: RON SPAIN

TELEPHONE
WINDSTREAM COMMUNICATIONS
3701 COMMUNICATIONS WAY
EVANSVILLE, IN 47715
PHONE: (812) 759-2831
CONTACT: USA WHITEHOUSE

ELECTRIC
DUKE ENERGY
1619 W. DEFFENBAUGH STREET
KOKOMO, IN 46902
PHONE: (317) 736-2018
CONTACT: TIM BAUMHART

FIRE DEPARTMENT
NAME
ADDRESS
PHONE: (317)
FAX: (317)
CONTACT:

AT&T LONG DISTANCE
866 ROCK CREEK ROAD
PLANO, IL 60545
PHONE: (630)-552-9785
CONTACT: CARL DONAHUE

NOTE: The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantee that the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

DEMOLITION LEGEND

- REMOVE EXISTING ASPHALT, CONCRETE, OR STONE
- FULL DEPTH SAWCUT

EXISTING LEGEND

- POWERPOLE
- LIGHT POLE
- ELECTRIC METER
- ELECTRIC BOX
- YARD LIGHT
- GUIDE WIRE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- WATER VALVE
- FIRE HYDRANT
- WELL
- WATER MANHOLE
- WATER METER
- GAS VALVE
- GAS VALVE
- CABLE TV RISER
- CLEANOUT
- SIGN
- MAILBOX
- STORM ROUND INLET
- STORM CURB INLET
- RIGHT-OF-WAY MARKER
- TREE & BUSH
- TEMP. BENCHMARK
- MONUMENT FOUND
- CONTOURS
- PROPERTY LINE
- SECTION LINE
- RIGHT-OF-WAY
- ADJOINER LINE
- PAVEMENT LINE
- FIELD LINE
- PRIVACY FENCE
- CHAINLINK FENCE
- SPLIT RAIL FENCE
- WIRE FENCE
- DITCH
- GAS LINE
- TELEPHONE LINE
- WATER LINE
- CABLE TV LINE
- ELECTRIC LINE
- OVERHEAD UTILITY LINE
- TREE LINE
- SANITARY SEWER
- W/MANHOLE
- STORM SEWER
- W/MANHOLE
- END SECTION
- ASPHALT
- GRAVEL
- WOODS
- CONCRETE
- REMOVAL/DEMOLISH

TOPOGRAPHICAL NOTES

- CONTRACTOR SHALL DISPOSE OF ALL MATERIALS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
- UTILITIES ARE GRAPHICAL REPRESENTATION PER SURVEY AND MAPPING. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
- REMOVE EXISTING RESIDENTIAL STRUCTURE, WELLS AND SEPTIC SYSTEMS SHALL BE ABANDON PER ALL FEDERAL, STATE, AND LOCAL REGULATIONS. A REPRESENTATIVE FROM THE DAVENESS COUNTY HEALTH DEPARTMENT SHALL BE PRESENT DURING REMOVAL OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HAZARDOUS MATERIAL TESTING AND REMOVAL (IF DEEMED NECESSARY) FOR THE EXISTING STRUCTURES.
- CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES FOR SERVICE DIS-CONNECTIONS.

FLOODPLAIN INFORMATION

BY GRAPHIC PLOTTING ONLY, PORTIONS OF THIS TRACT OF LAND DESCRIBED HEREON LIES WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN), AND ZONE "AE" (AREAS WITHIN THE 1% ANNUAL CHANCE FLOOD (100 YEAR FLOOD) WITH BASE FLOOD ELEVATIONS DETERMINED) AS PLOTTED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP FOR JOHNSON COUNTY, INDIANA, COMMUNITY PANEL NO. 180181, C 0231 D, WHICH BEARS AN EFFECTIVE DATE OF AUGUST 2, 2007.

BENCHMARK INFORMATION

BENCHMARK: JON 3 - ELEVATION 724.21'
IN JOHNSON COUNTY, FRANKLIN QUADRANGLE, IN THE NORTHEAST QUARTER OF SECTION 23, TOWNSHIP 12 NORTH, RANGE 4 EAST, 2ND PM; AT FRANKLIN: AT THE EAST SOUTH STREET TRIPLE-ARCH CONCRETE BRIDGE OVER YOUNGS CREEK, SET IN THE TOP OF THE WEST END OF THE NORTH CONCRETE GUARDRAIL OF THE BRIDGE, 26 FEET NORTH OF THE CENTERLINE OF THE ROAD, 3.5 FEET ABOVE THE SIDEWALK, 1.1 FEET EAST OF THE WEST GUARDRAIL, A INDIANA FLOOD CONTROL AND WATER RESOURCES COMMISSION BRASS CONTROL STATION TABLET, STAMPED "JON 3"

LEGAL DESCRIPTION

A PART OF THE NORTHEAST QUARTER OF SECTION 23, TOWNSHIP 12 NORTH, RANGE 4 EAST OF THE SECOND PRINCIPAL MERIDIAN, IN THE CITY OF FRANKLIN, INDIANA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT THE SOUTHEAST CORNER OF BLOCK NO. 11 IN CHARLES BRONSON'S ADDITION TO THE CITY OF FRANKLIN, PLAT BOOK 2, PAGE 30 IN THE OFFICE OF THE RECORDER OF JOHNSON COUNTY, INDIANA, SAID POINT BEING THE CENTERLINE OF SOUTH STREET AND THE CENTERLINE OF YOUNGS CREEK; THENCE NORTH 36 DEGREES 20 MINUTES 37 SECONDS WEST (ASSUMED BEARING) ALONG THE CENTERLINE OF SAID CREEK 36.62 FEET TO THE NORTH RIGHT-OF-WAY OF SOUTH STREET (HEADING EAST) AND THE POINT OF BEGINNING; THENCE ALONG THE CENTERLINE OF SAID CREEK THE FOLLOWING TWO (2) CALLS: (1) NORTH 36 DEGREES 20 MINUTES 37 SECONDS WEST 366.04 FEET; (2) NORTH 47 DEGREES 31 MINUTES 50 SECONDS WEST 128.54 FEET TO THE CENTERLINE OF HURRICANE CREEK AS IT INTERSECTS SAID YOUNGS CREEK; THENCE ALONG THE CENTERLINE OF SAID HURRICANE CREEK THE FOLLOWING FOUR (4) CALLS: (1) NORTH 02 DEGREES 56 MINUTES 11 SECONDS EAST 101.93 FEET; (2) NORTH 13 DEGREES 27 MINUTES 52 SECONDS WEST 49.22 FEET; (3) NORTH 05 DEGREES 05 MINUTES 48 SECONDS EAST 68.44 FEET; (4) NORTH 05 DEGREES 21 MINUTES 40 SECONDS WEST 90.75 FEET; THENCE LEAVING SAID CENTERLINE NORTH 77 DEGREES 52 MINUTES 29 SECONDS EAST 394.12 FEET TO THE WESTERLY RIGHT-OF-WAY OF RAILROAD SAID POINT ALSO BEING ON A NON-TANGENTIAL CURVE HAVING A RADIUS OF 5758.30 FEET, THE RADIUS POINT OF WHICH BEARS NORTH 51 DEGREES 20 MINUTES 54 SECONDS EAST; THENCE SOUTHEASTERLY ALONG SAID CURVE AN ARC DISTANCE OF 494.82 FEET, THE CHORD OF WHICH BEARS SOUTH 41 DEGREES 06 MINUTES 48 SECONDS EAST A CHORD DISTANCE OF 494.67 FEET TO A POINT ON THE WEST RIGHT-OF-WAY OF SAID BRANIGAN BOULEVARD; THENCE ALONG SAID WEST RIGHT-OF-WAY THE FOLLOWING TWO (2) CALLS: SOUTH 20 DEGREES 36 MINUTES 38 SECONDS EAST 85.29 FEET; (3) SOUTH 21 DEGREES 48 MINUTES 45 SECONDS EAST 330.88 FEET TO THE NORTH RIGHT-OF-WAY OF SAID SOUTH STREET; THENCE SOUTH 88 DEGREES 38 MINUTES 23 SECONDS WEST ALONG SAID NORTH RIGHT-OF-WAY 543.34 FEET TO THE POINT OF BEGINNING, CONTAINING 9.85 ACRES, MORE OR LESS.

DEMOLITION NOTES

- CONTRACTOR SHALL PROVIDE A FULL-DEPTH SAWCUT AT ALL LOCATIONS WHERE PAVEMENT AND CONCRETE IS REMOVED.
- ONLY TREES SHOWN FOR REMOVAL OR RELOCATION SHALL BE DISTURBED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING TREES TO REMAIN.

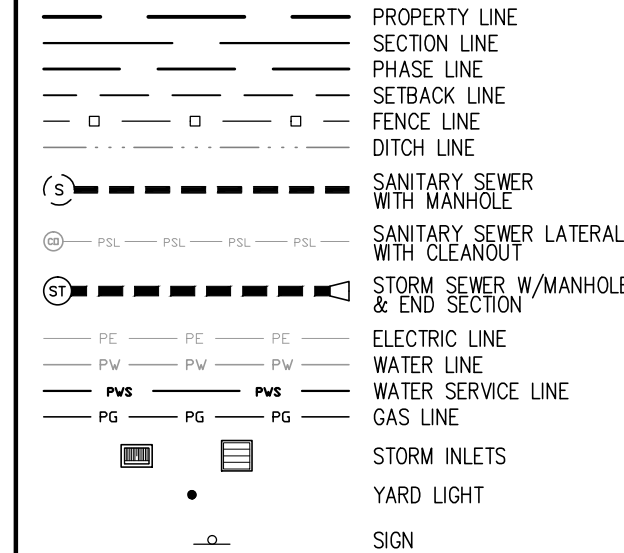
EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.



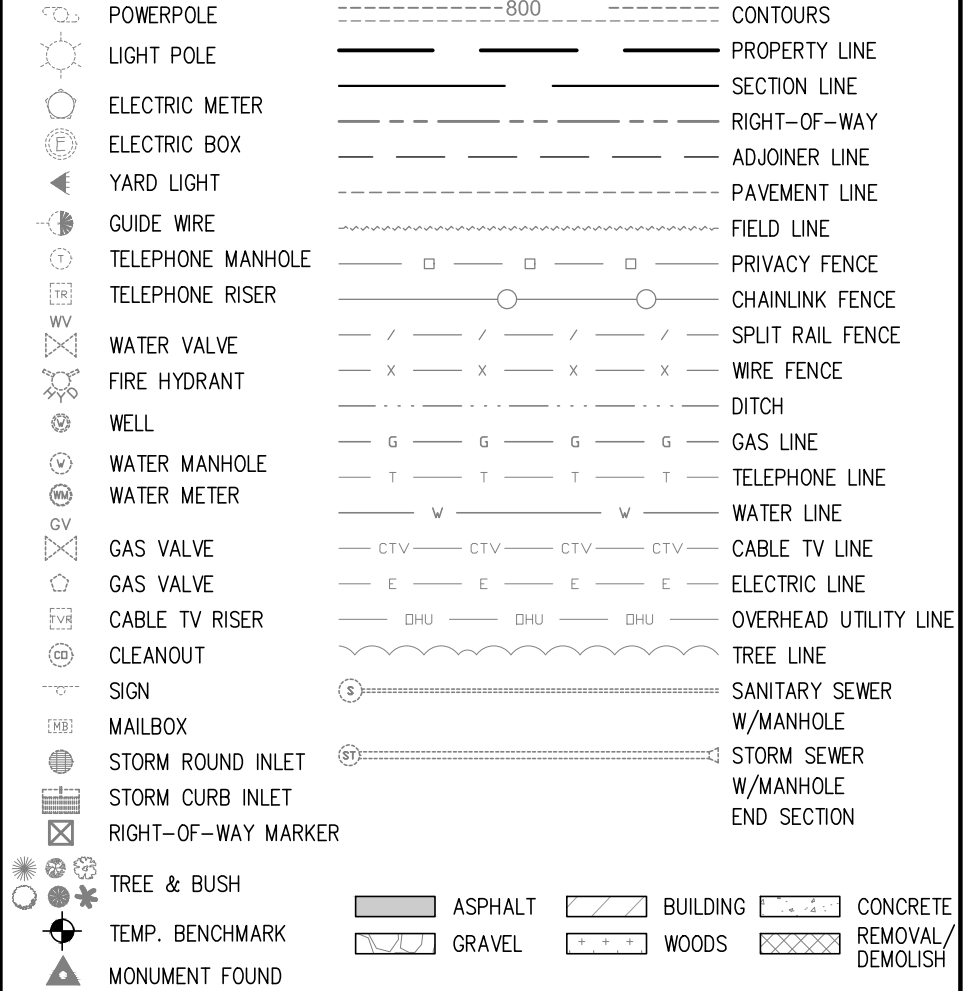
PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.
1-800-382-5544 or 811
CALL 2 WORKING DAYS BEFORE YOU DIG



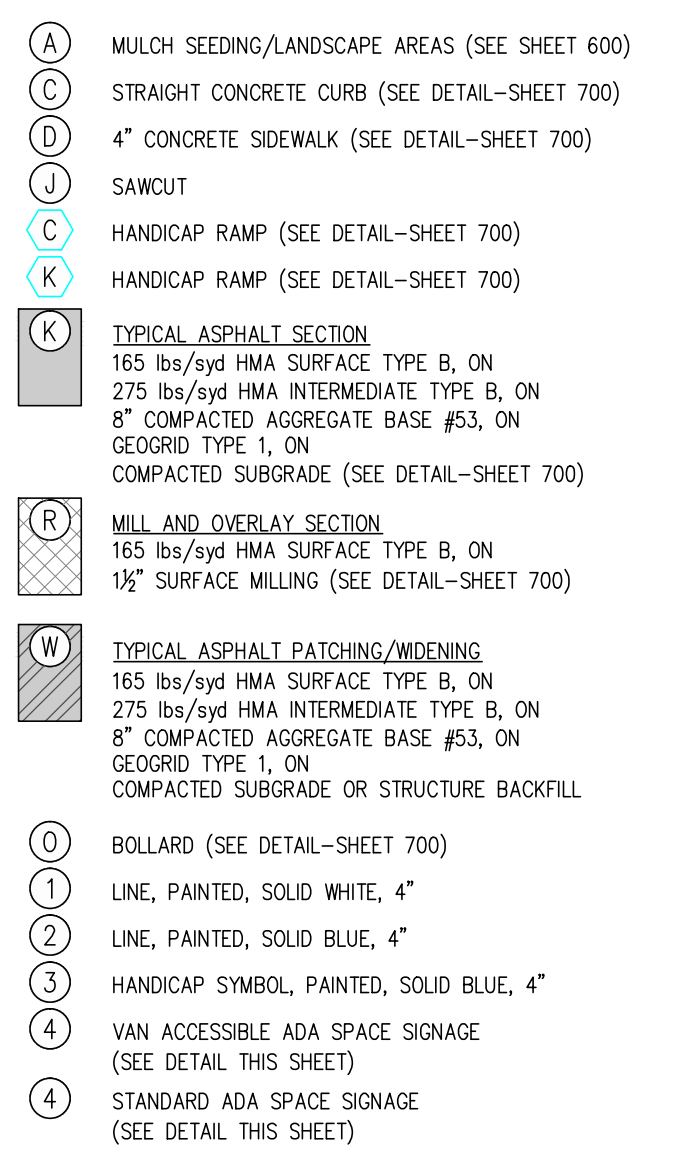
PROPOSED LEGEND



EXISTING LEGEND



SITE DIMENSION LEGEND



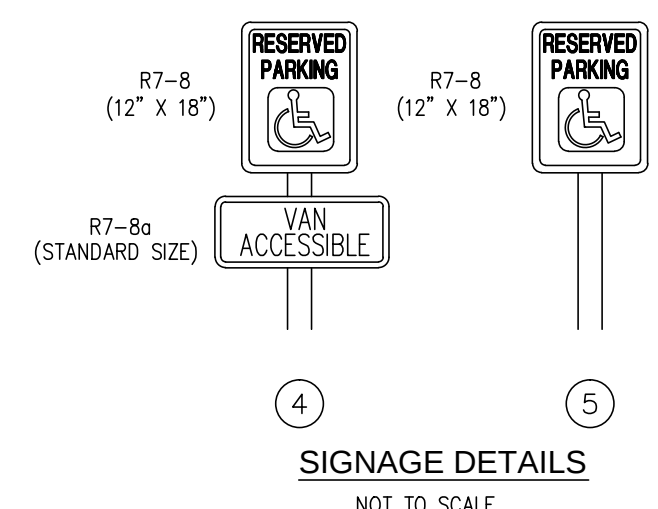
SITE DIMENSION NOTES

- STREET SIGNAGE AND LIGHTING SHALL CONFORM TO CITY OF FRANKLIN STANDARDS. CONTRACTOR SHALL COORDINATE WITH OWNER AND/OR CITY OF FRANKLIN FOR LIGHT STYLES AND LAYOUT.
- CONTRACTOR SHALL NOTIFY ENGINEER, IF PROOF ROLL OF SUBGRADE FAILS, TO DETERMINE IF LIME STABILIZATION OF SUBGRADE IS NECESSARY.
- CONTRACTOR SHALL PLACE 12\"/>
- ALL RADI DIMENSIONS ARE TO THE FACE OF PROPOSED CURB.
- SIGNAGE SHALL INCLUDE ALL NECESSARY HARDWARE AND FITTINGS, INCLUDING 10 FT. OF 11 GAUGE FLANGED CHANNEL SIGN POST.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
- EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.
- ROOF AND BUILDING PLANS BY OTHERS. CONTRACTOR SHALL COORDINATE WITH OWNER AND ENGINEERS.

PARKING ANALYSIS

AQUATIC CENTER PROJECT	
NET GAIN	= -29 SPACES
BUILDING EXPANSION PROJECT	
NET GAIN	= -6 SPACES
PARKING LOT PROJECT	
MAIN LOT NET GAIN	= 31 SPACES
MAINTENANCE BUILDING	
MAINTENANCE LOT NET GAIN	= 17 SPACES
TOTAL NET GAIN	= 13 SPACES
STANDARD PARKING SPACES	= 129 SPACES
HANDICAP ACCESSIBLE SPACES	= 5 SPACES
TOTAL PROPOSED PARKING SPACES	= 134 SPACES

NOTE:
NO EARTHWORK DISTURBING ACTIVITY
MAY COMMENCE UNTIL A STORM WATER
MANAGEMENT PERMIT IS OBTAINED.



CROSSROAD CONSULTANTS
Development Consultants
3475 PARKWAY N. #200 DAVENPORT, IA 52814-3815
TEL: 563.426.1100 FAX: 563.426.1101

SITE DIMENSION PLAN

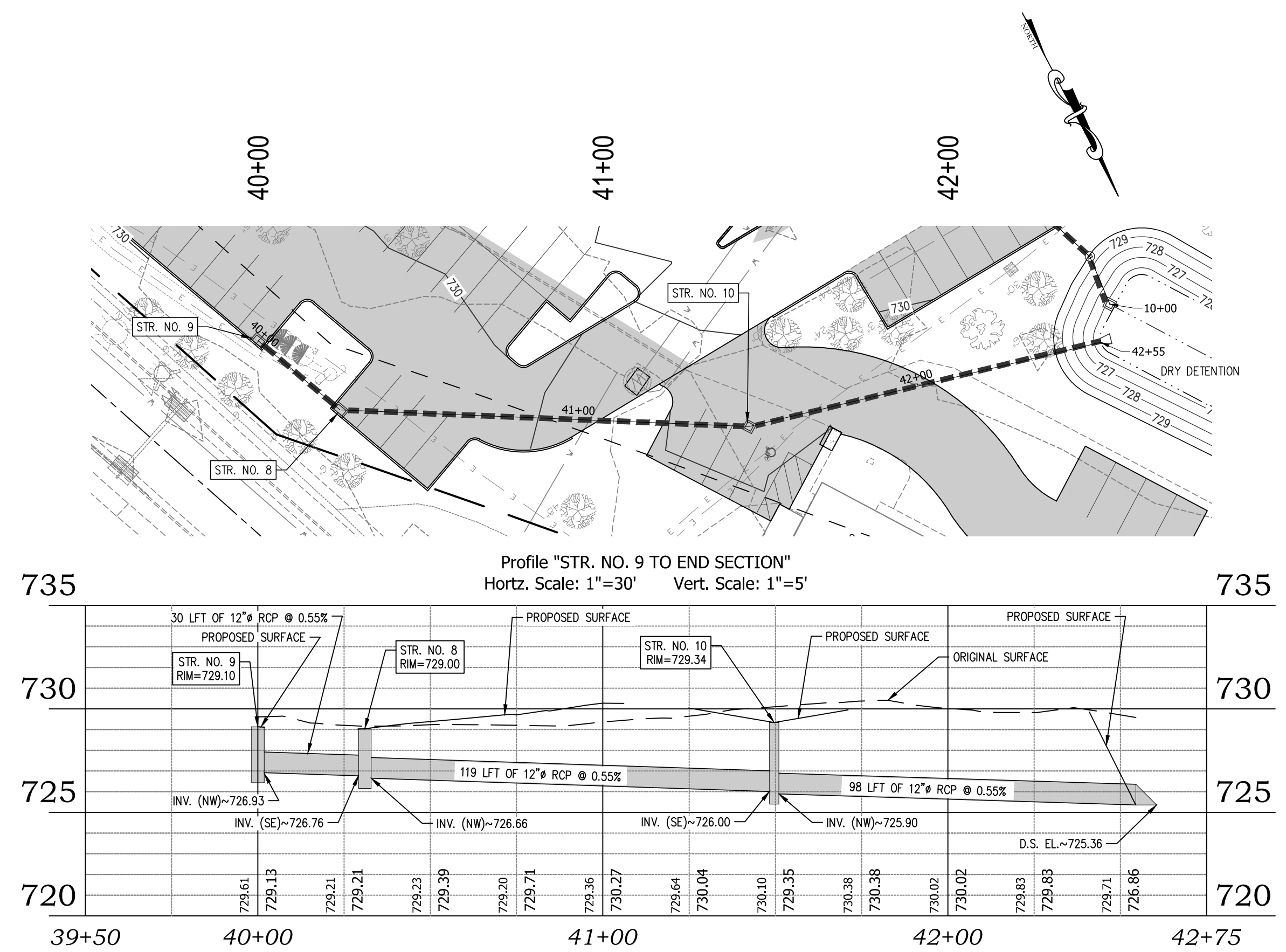
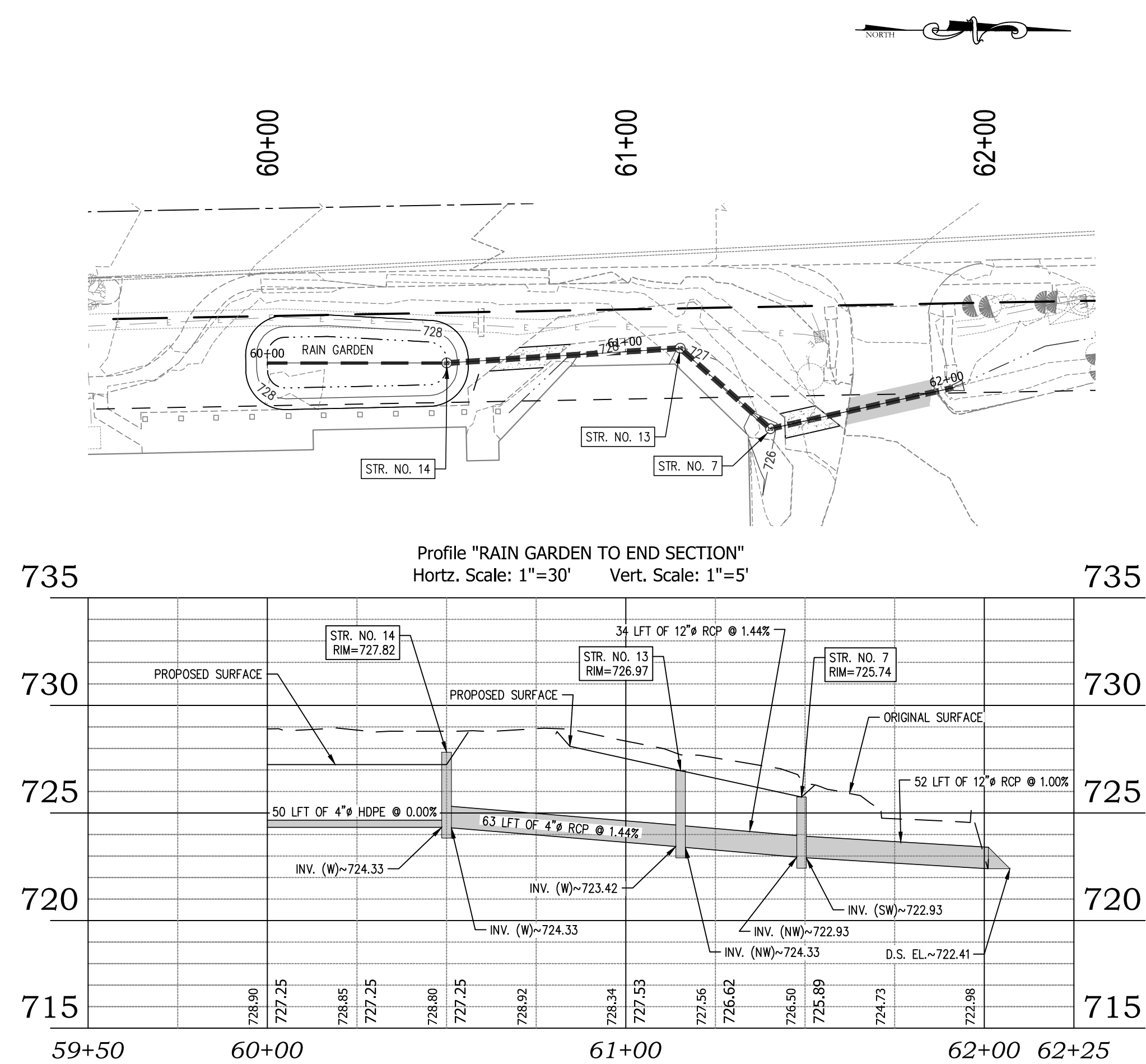
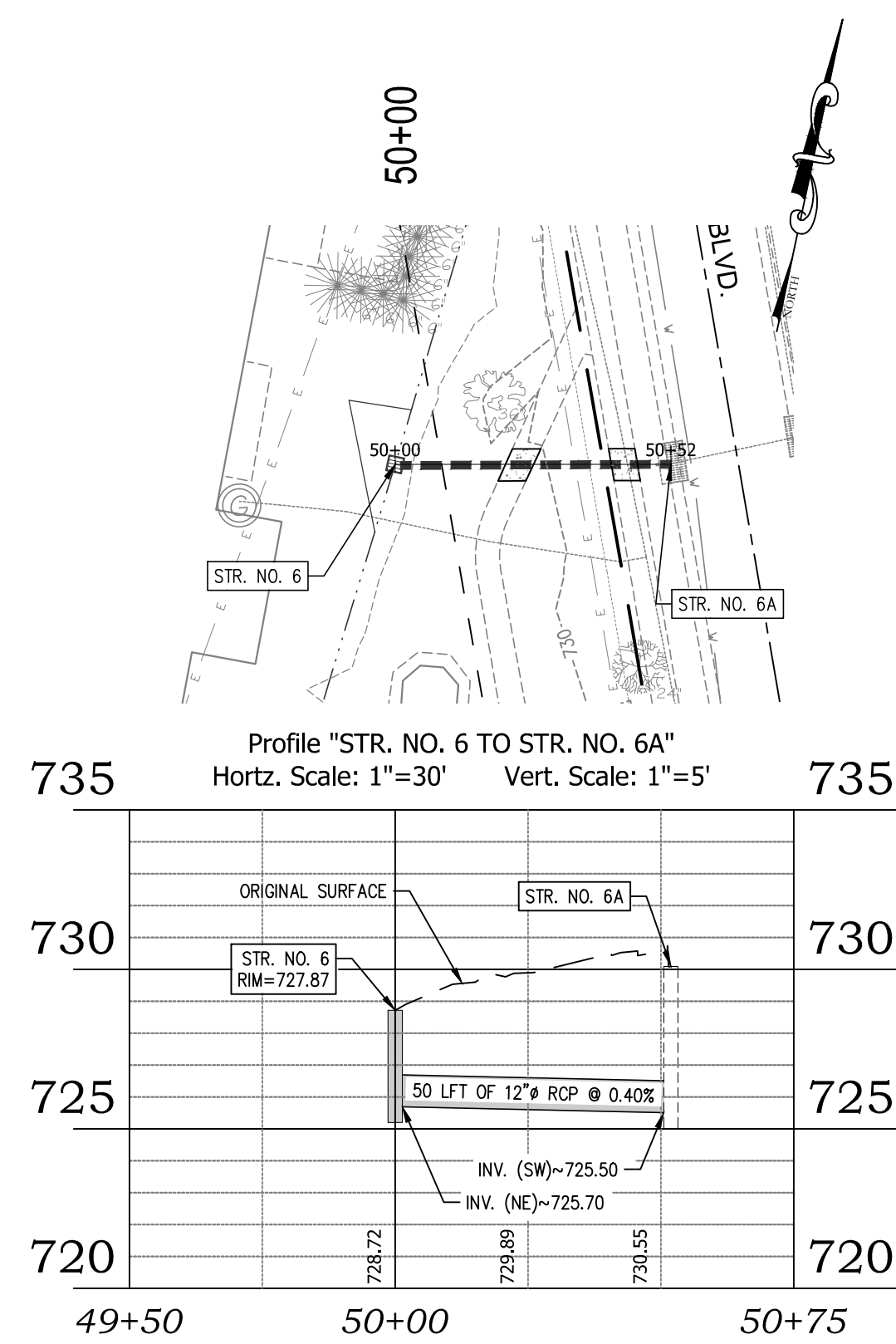
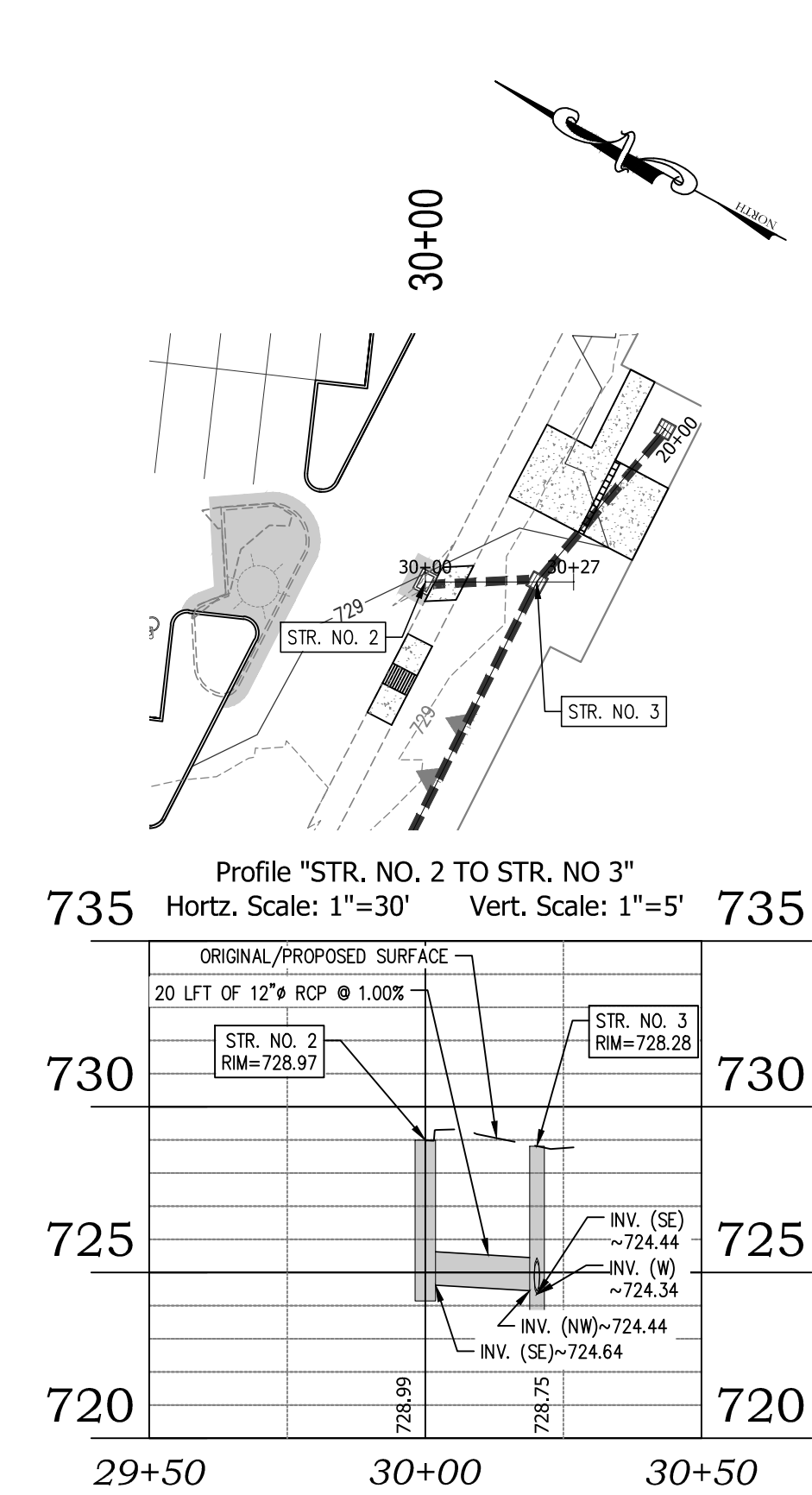
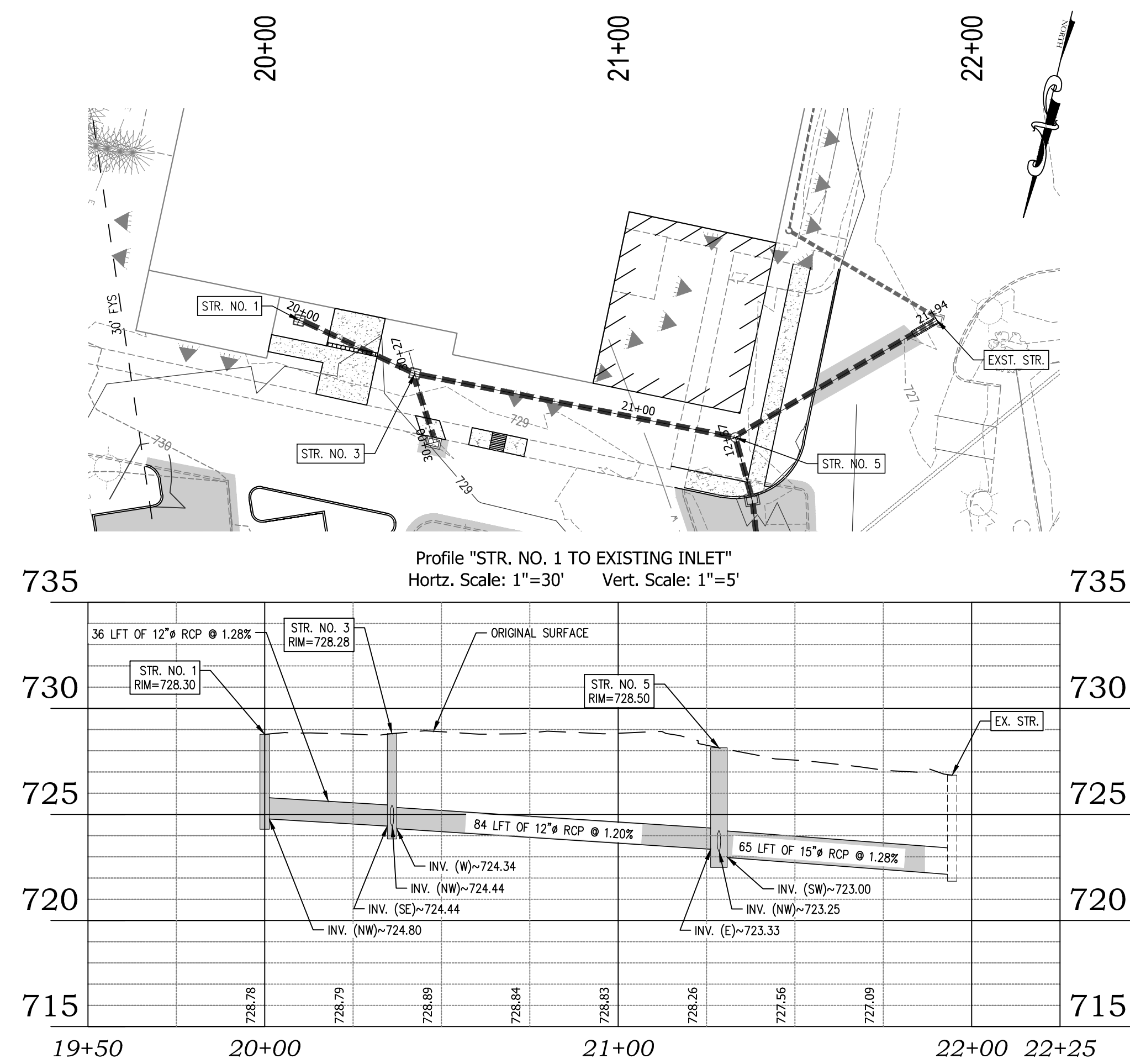
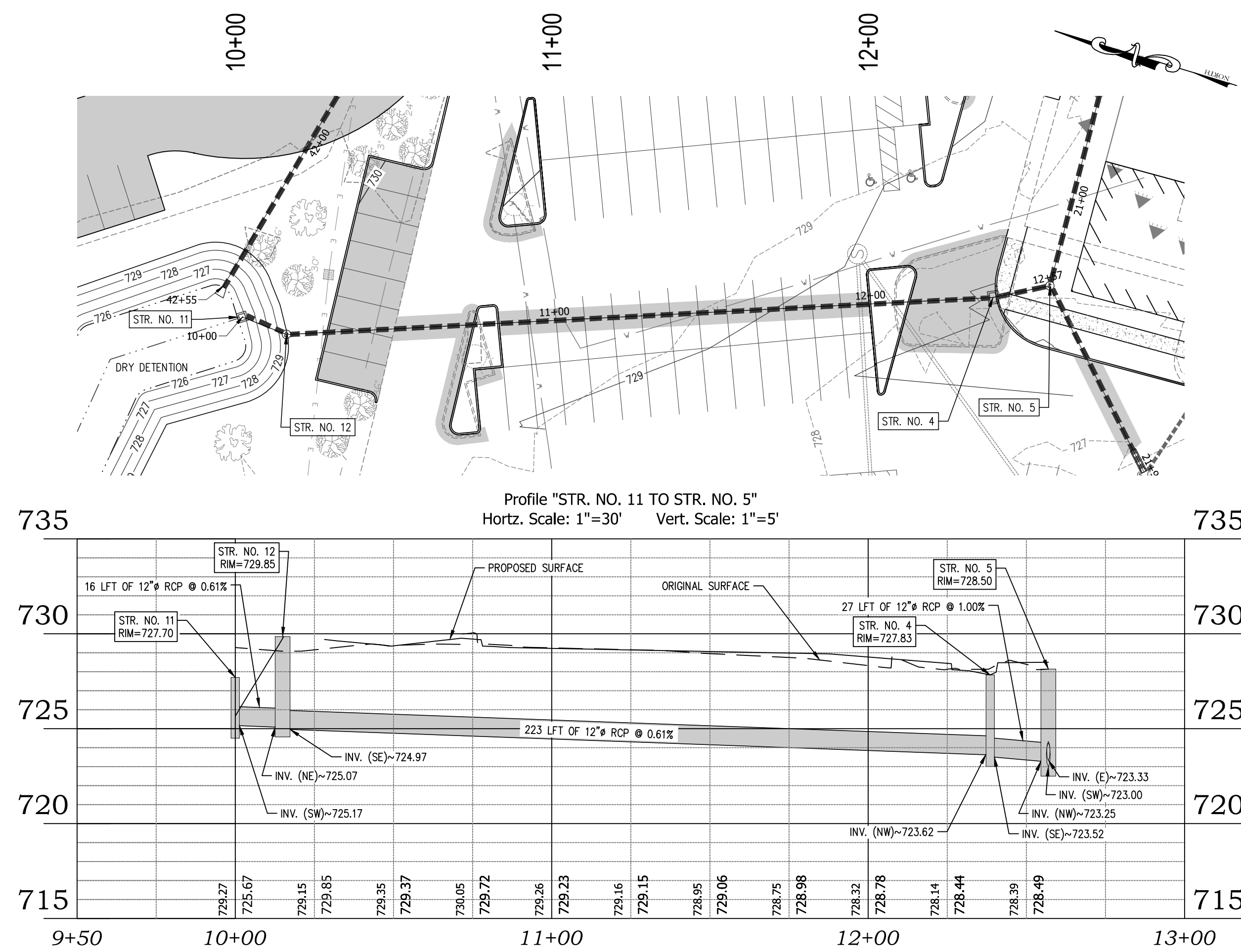
CITY OF FRANKLIN RECREATION CENTER

JOB NO.	DRAWN	AEC	CHECKED	GJJ	TEN
DATE	DESIGNED	DMS	APPR.		

NO.	DATE	BY	APPR.	REVISIONS
1				
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SHEET

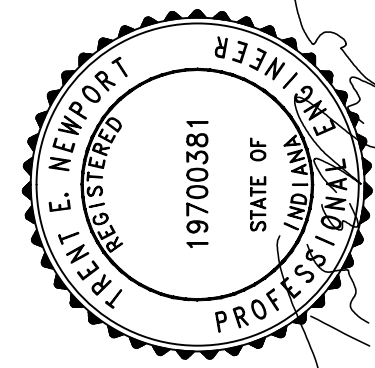
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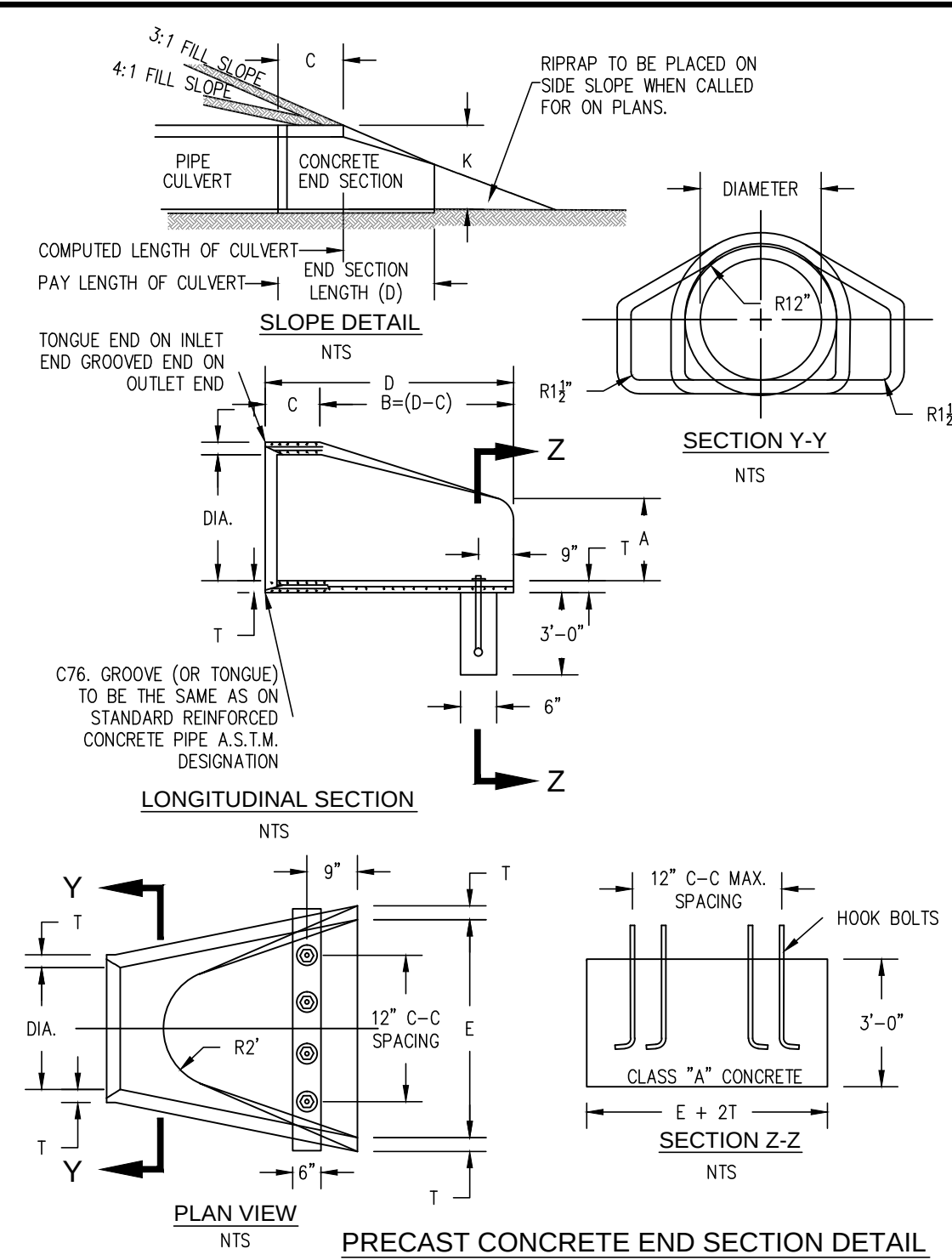
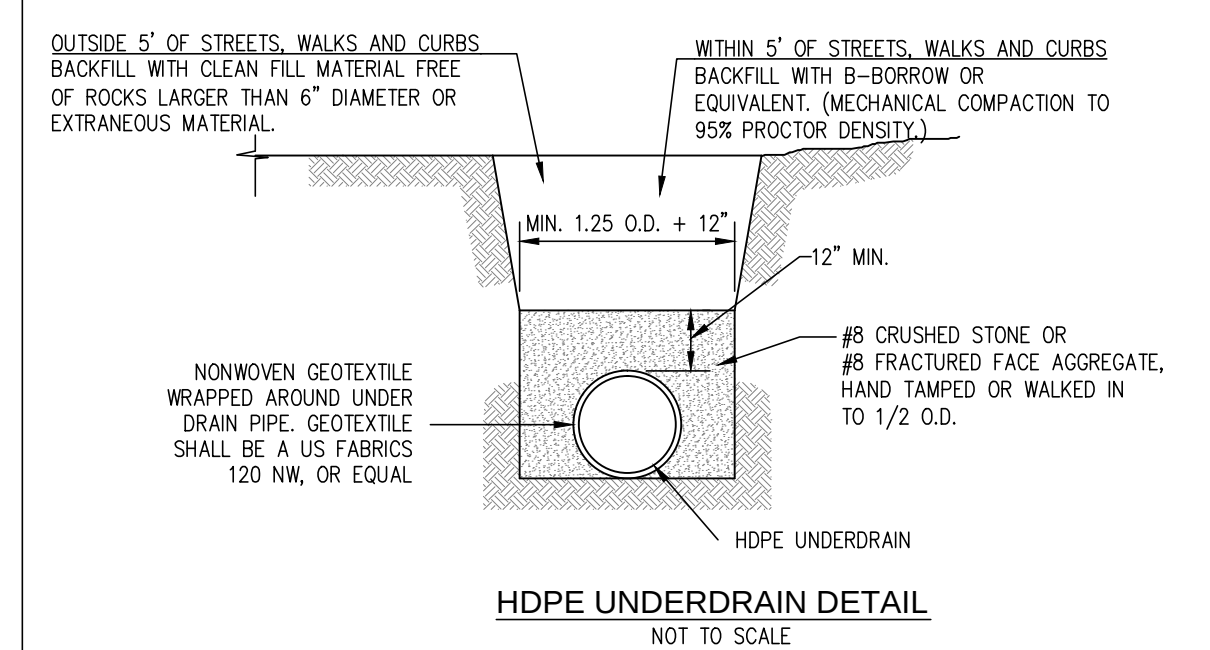
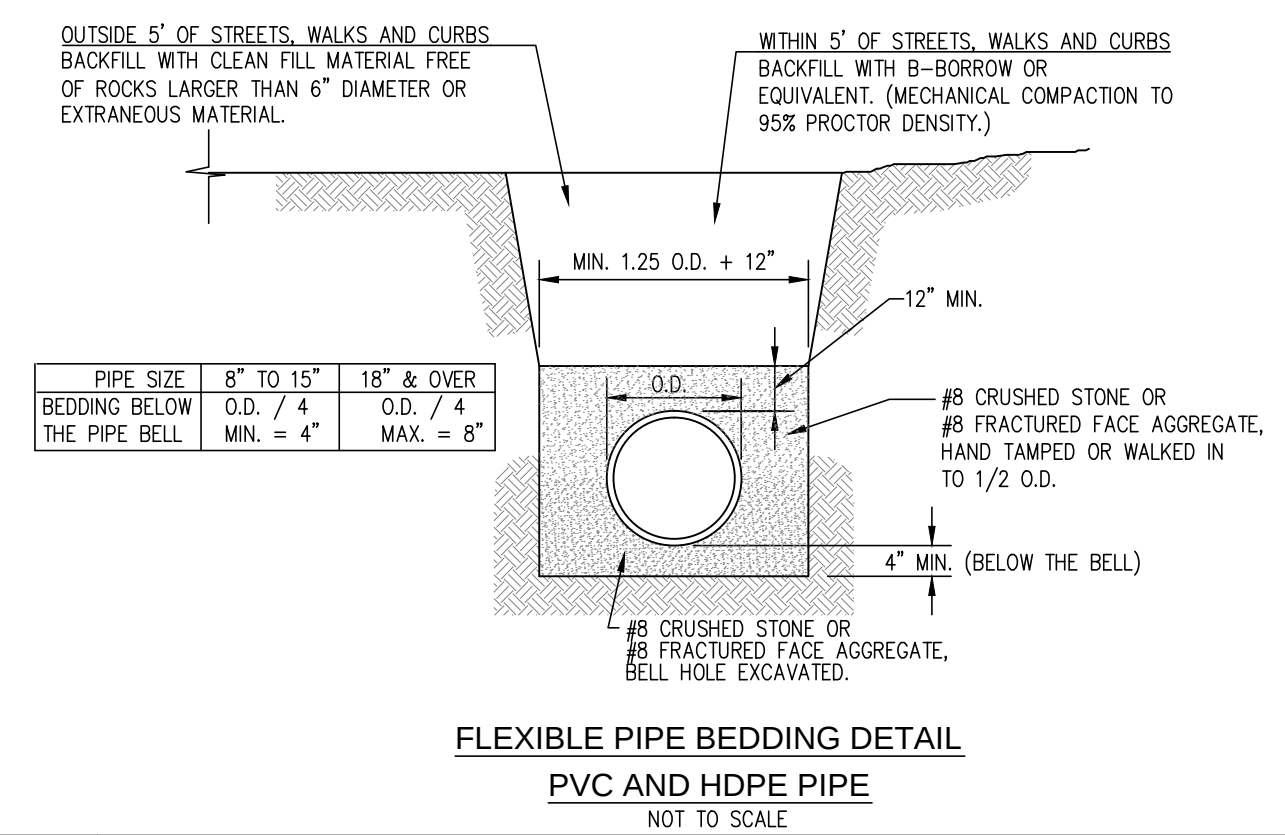
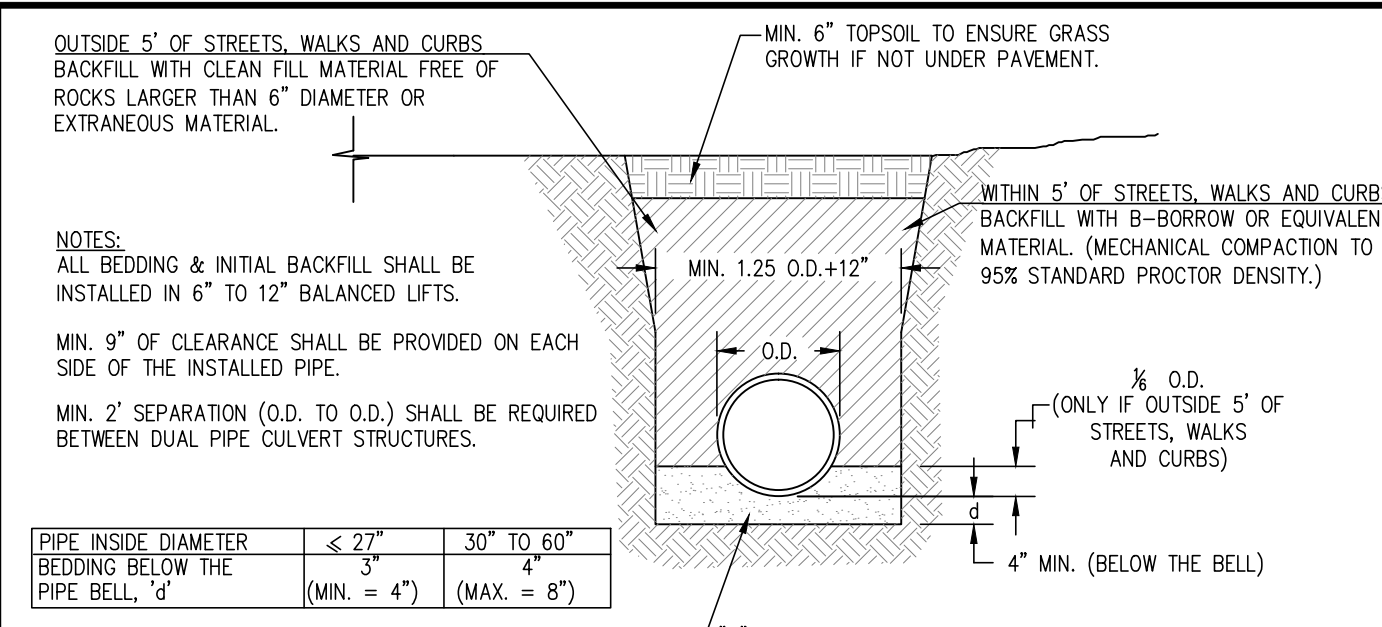
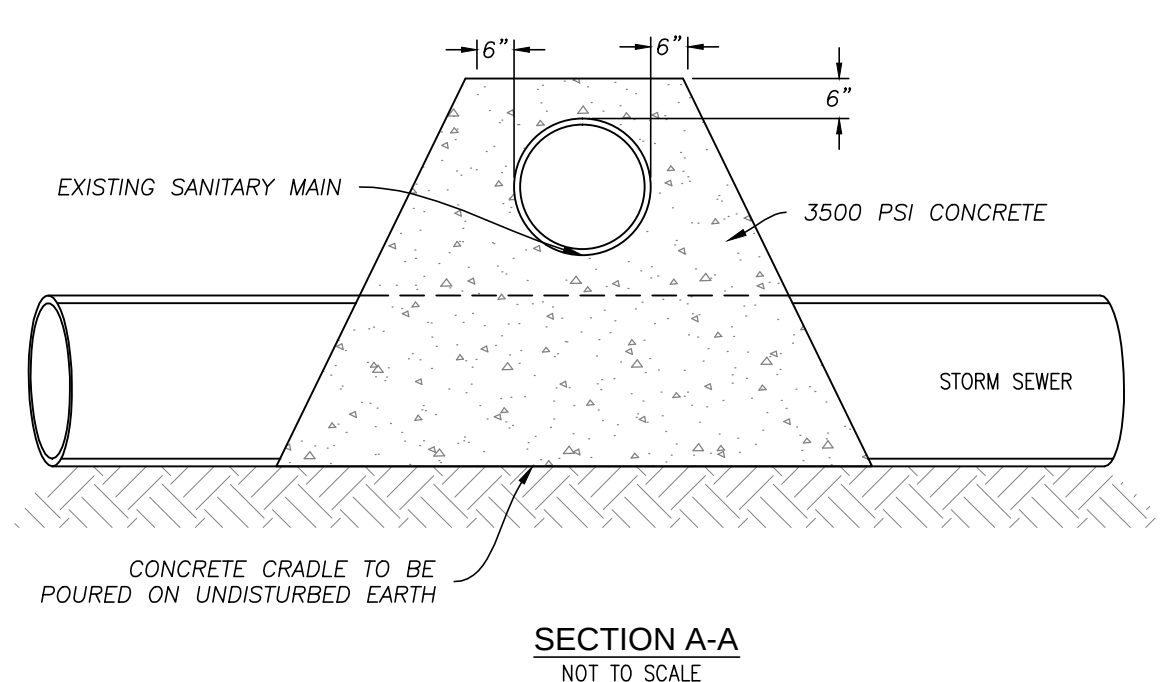
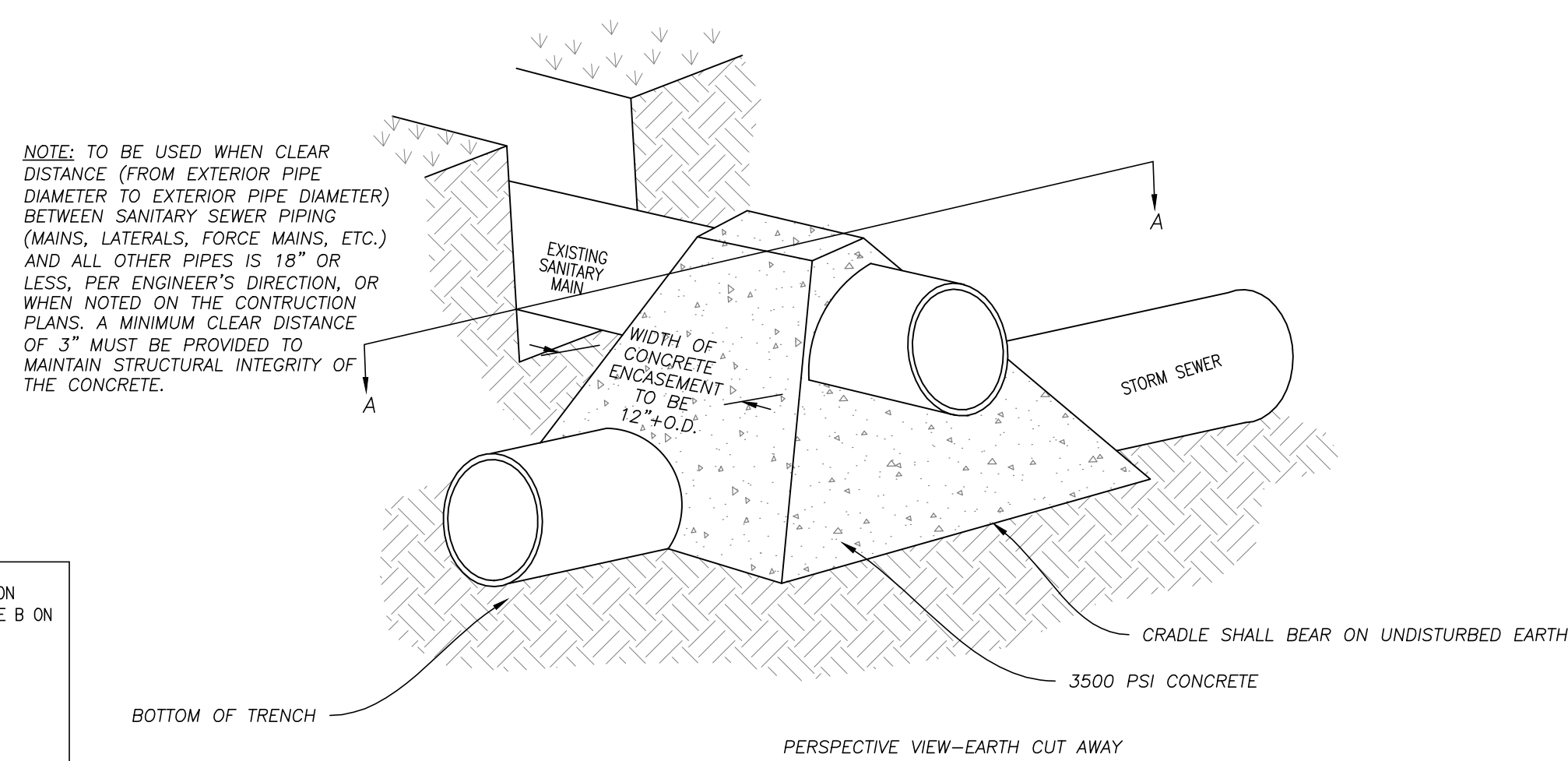
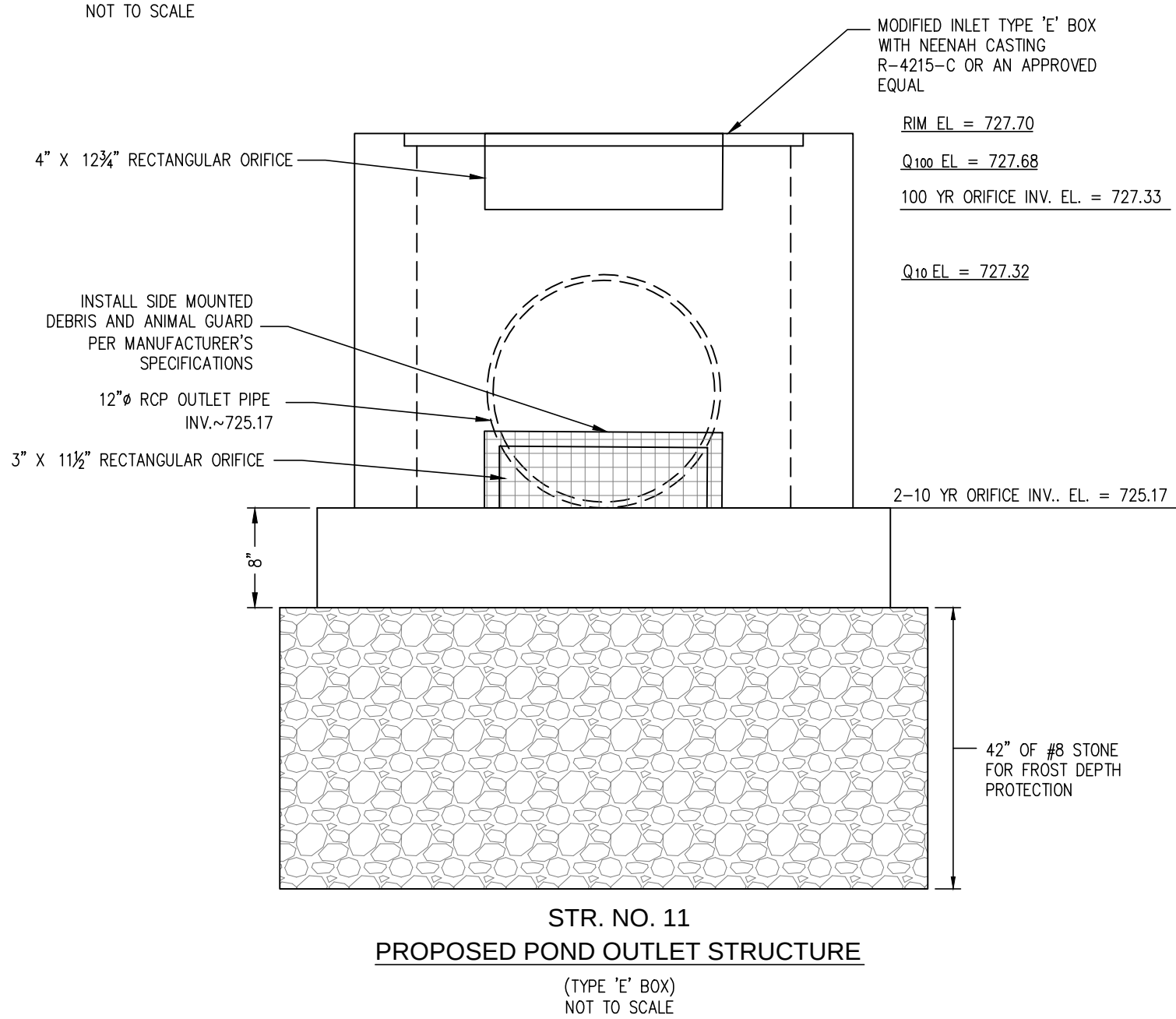
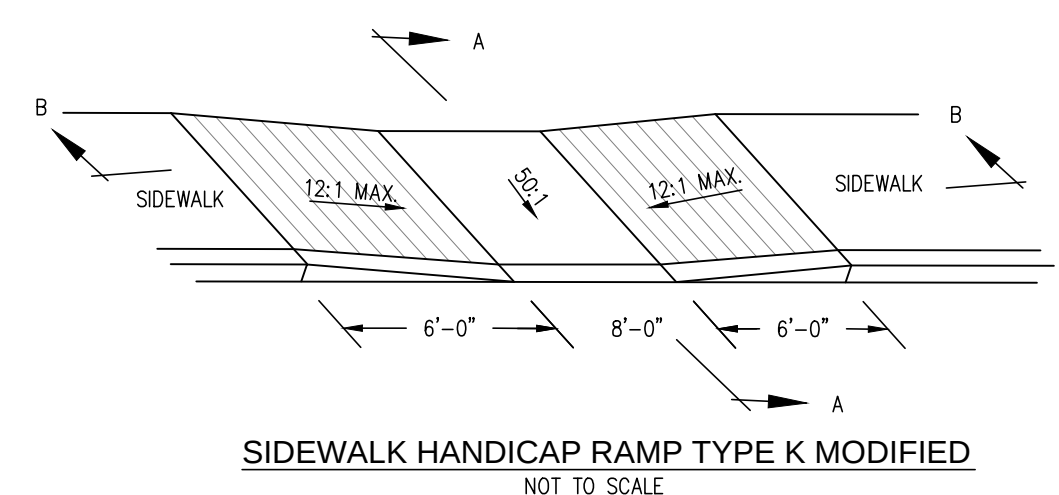
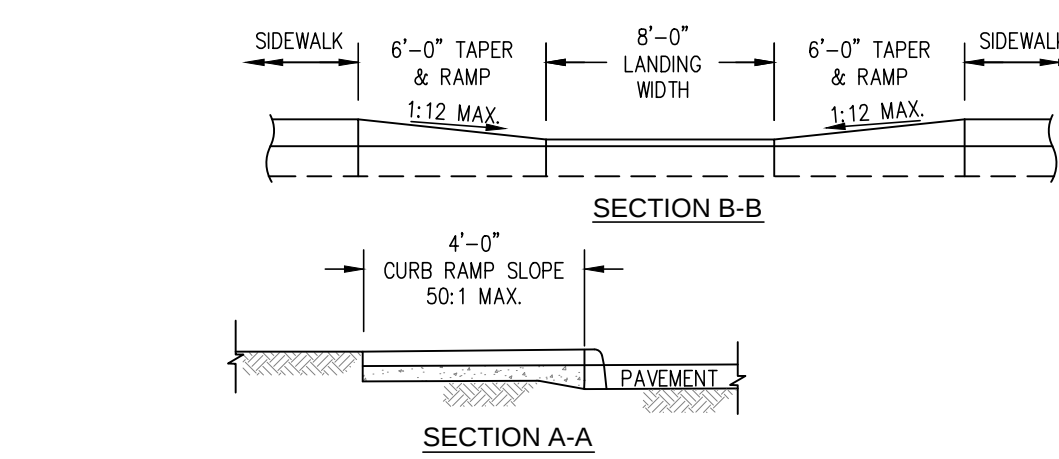
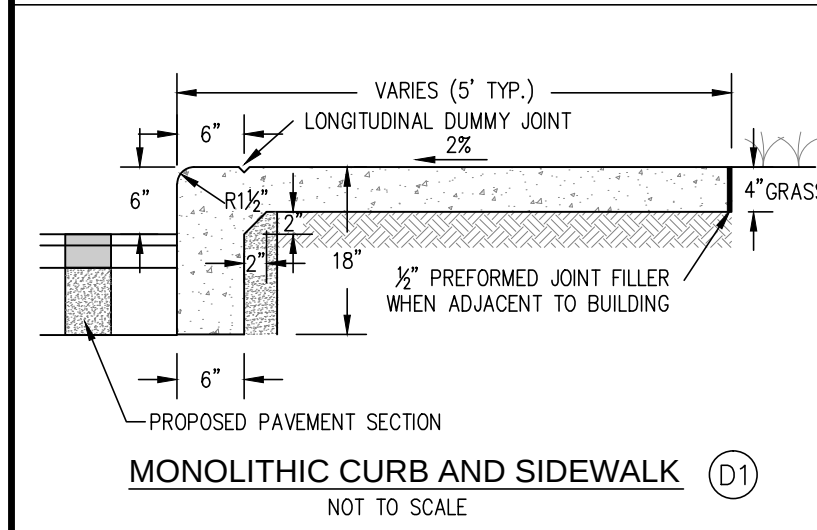
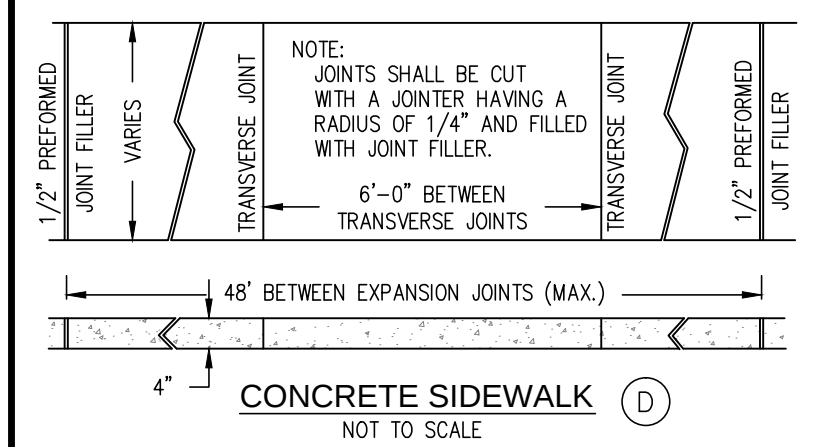
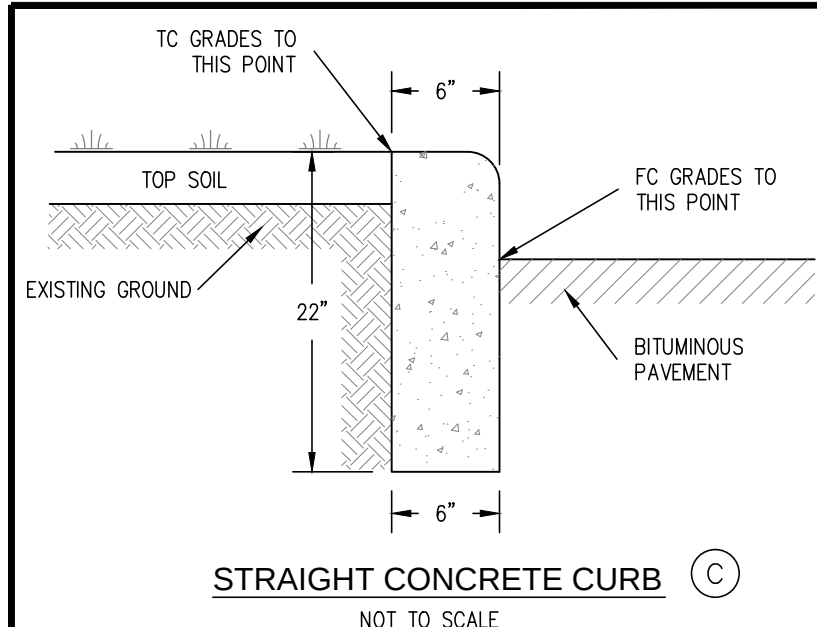
STORM STRUCTURE DATA TABLE ON SHEET 400

STORM PLAN & PROFIT

CITY OF FRANKLIN RECREATION CENTER

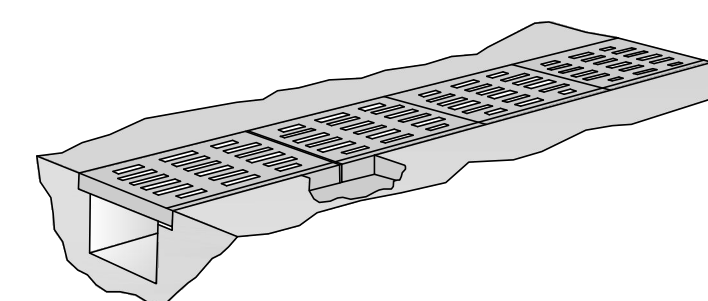
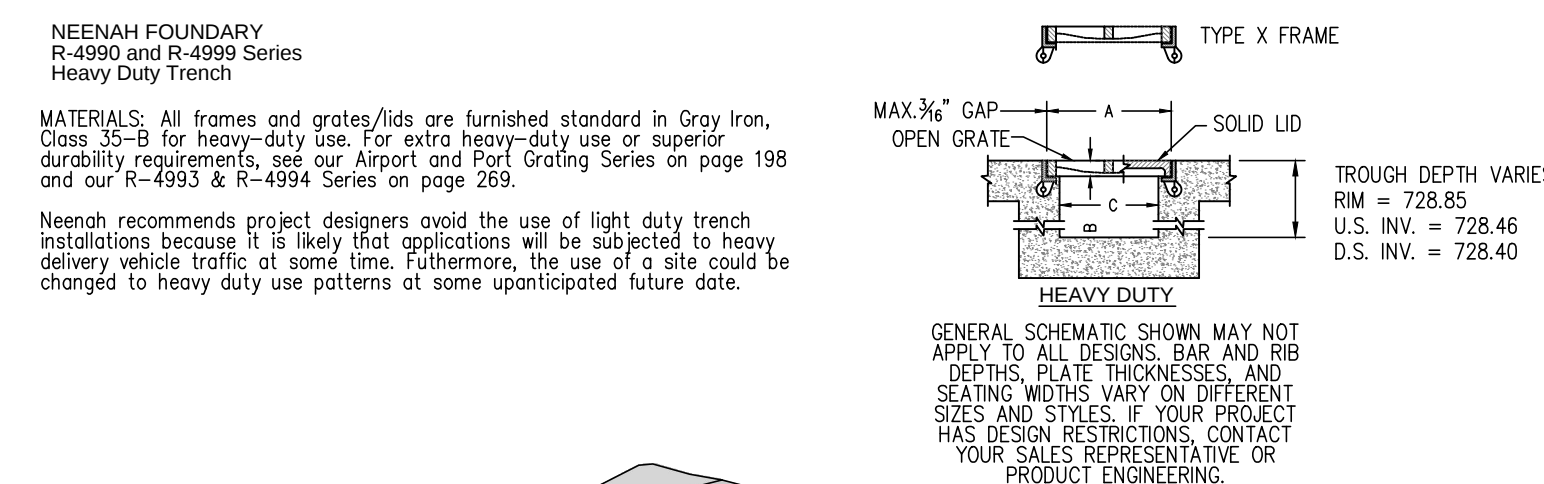
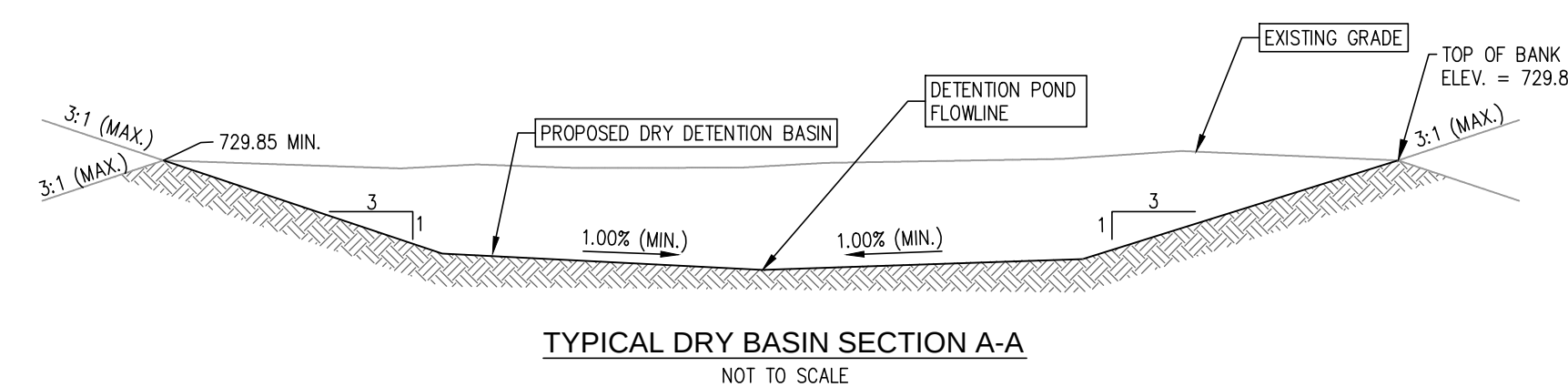


SHEET		500		REVISONS		BY	APPR.
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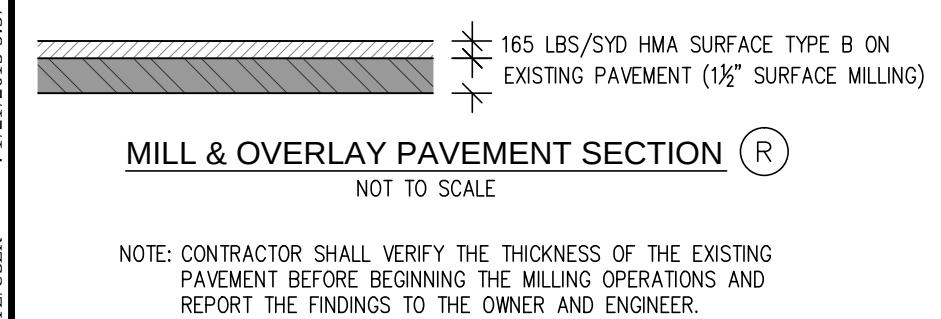
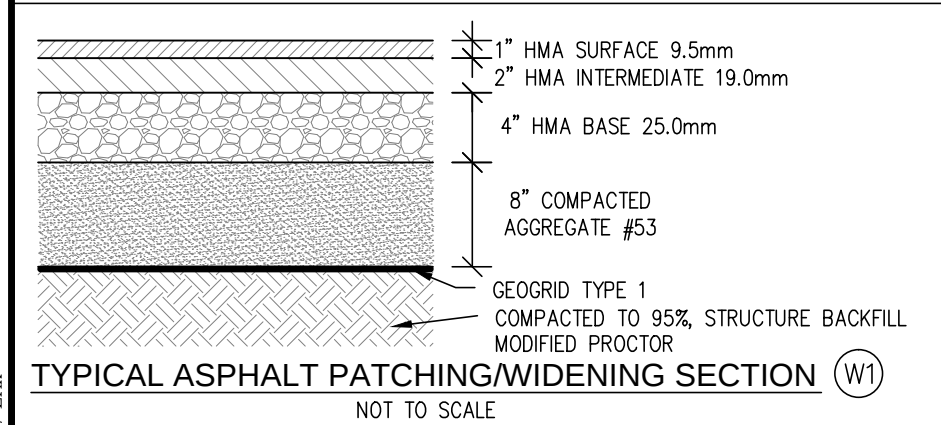
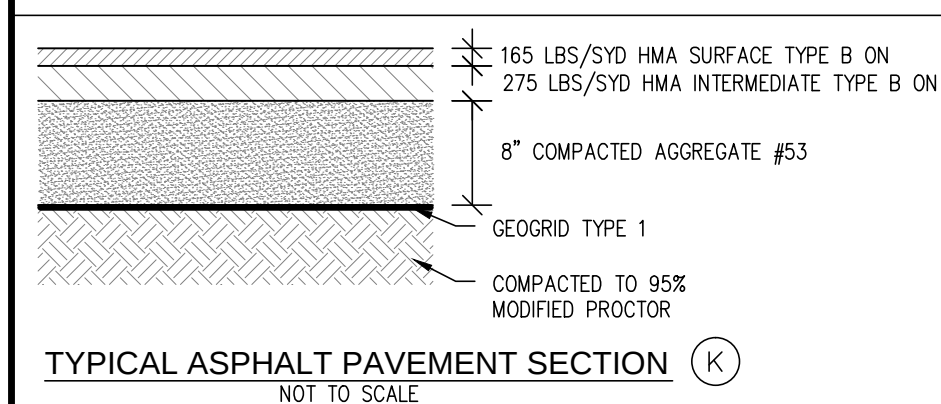
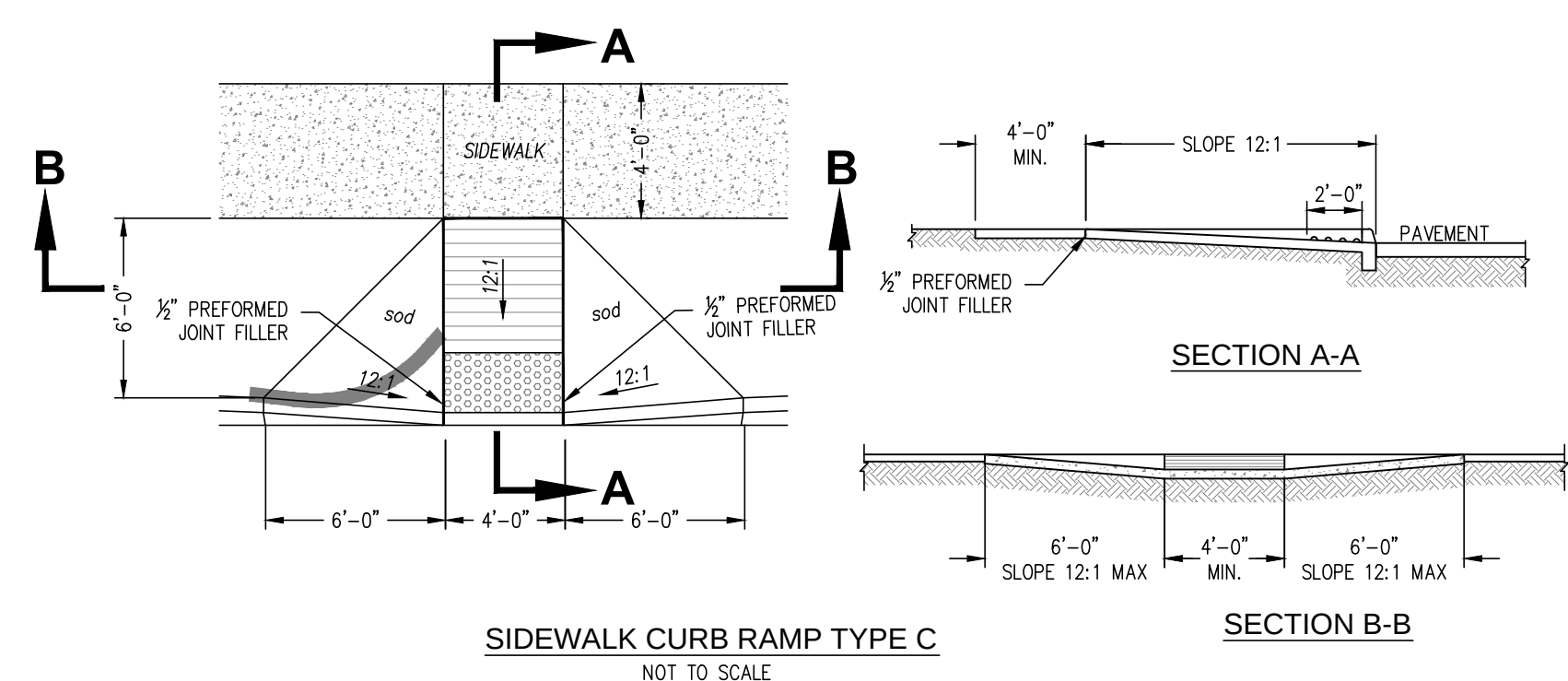


PRECAST CONCRETE END SECTION TABLE												
DIA.	WALL	G OR T	WT. SEC.	A	B	C	D	E	DIA.-1	R-1	SKRT	
12	2	1	5/2	530	4	24	48	7 7/8	7 7/8	24	13	10
15	2 1/4	2	7/40	6	27	46	73	30	16	12	3	2
18	2 1/2	1/2	1/20	9	27	46	73	30	15	11	4	1
21	2 1/4	1/4	1/280	9	35	38		42	22	16		
24	2 1/2	1/2	1/520	9 1/2	43	30	73	1/2	48	25	1/8	4
27	2 1/2	1/2	1/930	10 1/2	48	25	1/2	73	54	28	1/4	4
30	3	3	2190	12	54	19	3/4	73	60	31	18	5
33	3 3/8	3	3150	13 1/2	58	1/2	2/30	1/4	67	34	9/16	5
36	3 1/2	1/2	4100	15	63	34	1/4	74	72	37	24	5
42	3 3/4	3/4	5380	21	63	35	98	78	43	27	1/8	5
46	4 1/4	1/4	6550	24	72	26	98	84	49	28	5/16	5
54	4 3/4	3/4	8040	27	65	35	100	90	55	32	7/8	6
60	5	5	8750	30	60	39	99	96	61	36	3/4	6
66	5 1/2	5	10630	34	78	21	99	102	73	38	11/8	7
72	6	6	12520	34	78	21	99	108	75	38	5/8	7
78	6 1/2	6 1/2	14430	34	78	21	99	114	79	40	15/16	8
84	7	7	16350	24	78	21	99	120	85	42	13/16	8

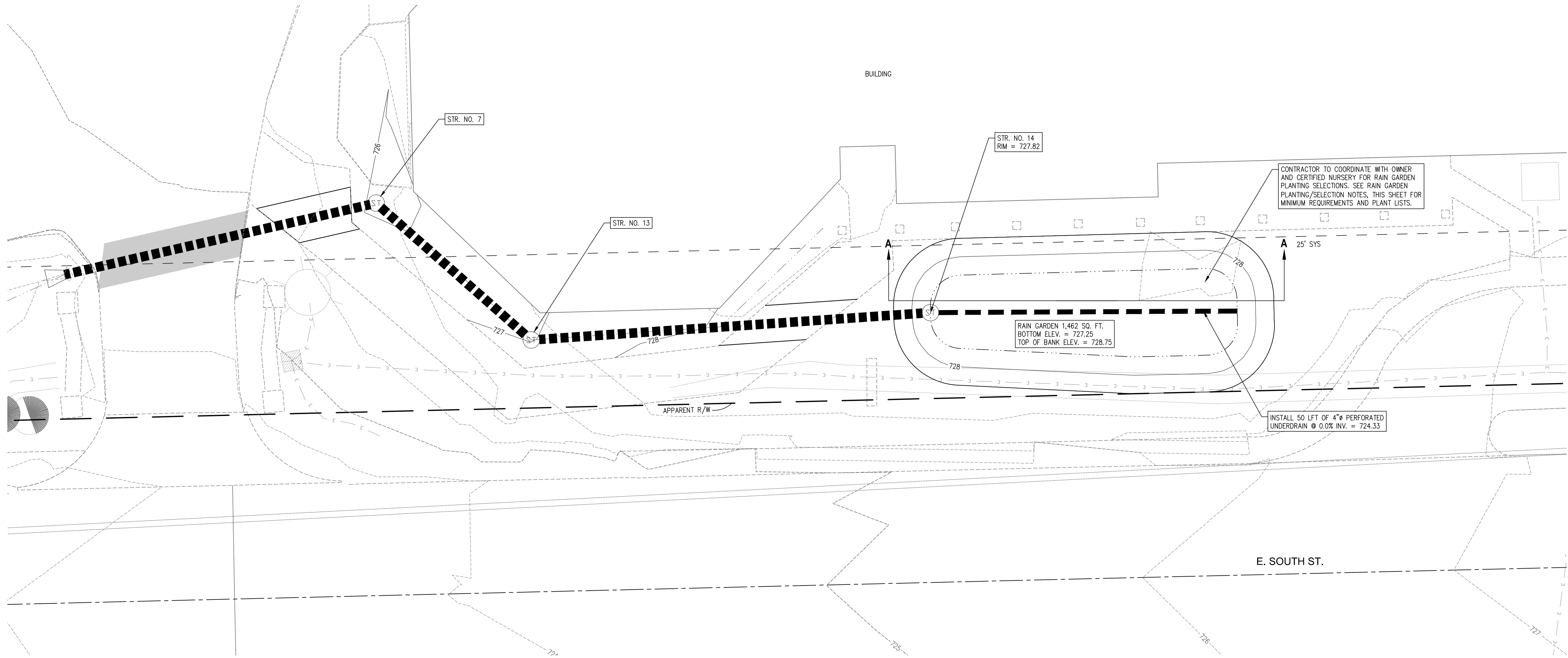
NOTES:
1. MANUFACTURE OF END SECTION IS IN ACCORDANCE WITH APPLICABLE PORTIONS OF A.S.T.M. SPECIFICATION C76



Un-Bolted Catalog No.	Bolted Catalog No.	A	B	C	Type A	Type C	Type D	Type E	Type P	Type X
R-4490-XX	R-4490-XX	1	1/2	X	X	X	X	X	X	X
R-4490-BX	R-4490-BX	1	1/2	8	X	X	X	X	X	X
R-4990-XX	R-4990-XX	12	1/2	10	X	X	X	X	X	X
R-4990-BX	R-4990-BX	12	1/2	10	X	X	X	X	X	X
R-4990-EX	R-4990-EX	17	1/2	15	X	X	X	X	X	X
R-4990-FX	R-4990-FX	20	1/2	18	X	X	X	X	X	X
R-4990-CX	R-4990-CX	21	1/2	18	X	X	X	X	X	X
R-4990-HX	R-4990-HX	26	1 1/2	24	X	X	X	X	X	X
R-4990-KX	R-4990-KX	33	2	30	X	X	X	X	X	X
R-4990-LX	R-4990-LX	36	2	30	X	X	X	X	X	X
R-4990-MX	R-4990-MX	45	2	30	X	X	X	X	X	X
R-4990-NX	R-4990-NX	46	2	30	X	X	X	X	X	X
R-4990-XX	R-4990-XX	52	2	42	X	X	X	X	X	X



DIRECTORY PATH : R:\Active\Franklin, City\2012 Park Bond\CAD\PLANS\Recreation Center
 FILENAME : 700 MISC DETAILS.dwg
 DATE/USER : 1/21/2013 5:37 PM / Erik



RAIN GARDEN GENERAL NOTES AND SPECIFICATIONS

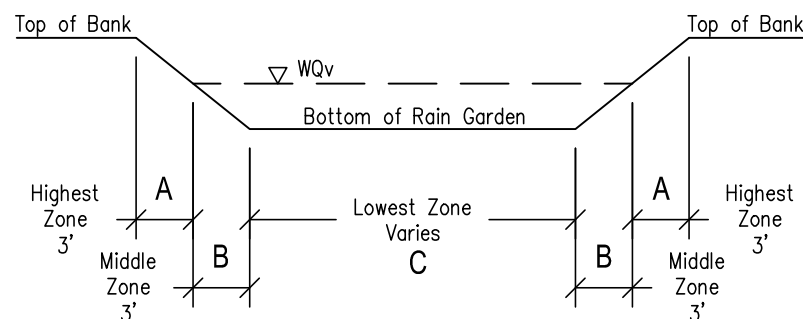
- PLANTING SOIL SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - CLAY CONTENT: LESS THAN 5%
 - SAND CONTENT: 50-60%
 - LEAF COMPOST OR AGED LEAF MULCH: 20-30%
 - HIGH QUALITY TOP SOIL: 20-30%
- PLANTING SOIL SHOULD BE FREE OF STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1-INCH DIAMETER. IT SHOULD ALSO BE FREE OF BRUSH OR SEEDS FROM NOXIOUS WEEDS. PLACEMENT OF THE PLANTING SOIL SHOULD BE IN LIFTS OF 12-18 INCHES, LOOSELY COMPACTED (TAMPED LIGHTLY WITH A DOZER OR BACKHOE BUCKET).
- PLANTING SOIL MUST HAVE A MINIMUM PERMEABILITY OF 1.0 FT/DAY (0.5 INCHES PER HOUR)
- ORGANIC MULCH SHALL BE AGED, DOUBLE-SHREDDED HARDWOOD BARK MULCH, OR COMPOSTED LEAF MULCH.

RAIN GARDEN CONSTRUCTION GUIDELINES

- AREAS OF BIORETENTION SHALL BE CLEARLY MARKED BEFORE ANY SITE WORK BEGINS TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION.
- PROVIDE EROSION AND SEDIMENTATION CONTROL PROTECTION ON THE SITE SUCH THAT CONSTRUCTION RUNOFF IS DIRECTED AWAY FROM THE PROPOSED BIORETENTION LOCATION. PROPOSED BIORETENTION AREAS MAY ONLY BE USED AS SEDIMENT TRAPS DURING CONSTRUCTION IF AT LEAST TWO FEET OF SOIL ARE REMOVED AND REPLACED.
- COMPLETE SITE ELEVATION GRADING AND STABILIZE THAT SOIL DISTURBED WITHIN THE LIMITS OF DISTURBANCE. DO NOT FINALIZE BIORETENTION EXCAVATION AND CONSTRUCTION UNTIL THE DRAINAGE AREA IS FULLY STABILIZED.
- EXCAVATE BIORETENTION AREA TO PROPOSED INVERT DEPTH AND MANUALLY SCARIFY THE EXISTING SOIL SURFACES. DO NOT COMPACT IN-SITU SOILS. HEAVY EQUIPMENT SHALL NOT BE USED WITHIN THE BIORETENTION BASIN. ALL EQUIPMENT SHALL BE KEPT OUT OF THE EXCAVATED AREA TO THE MAXIMUM EXTENT POSSIBLE.
- IF USING AN UNDERDRAIN AND/OR A GRAVEL STORAGE BED, PLACE FILTER FABRIC OR GRAVEL FILTER, THEN PLACE THE ROCK, AND SET THE UNDERDRAIN ACCORDING TO THE PLANS.
- BACKFILL THE EXCAVATED AREA AS SOON AS THE SUBGRADE PREPARATION IS COMPLETE TO AVOID ACCUMULATION OF DEBRIS. PLACE BIORETENTION SOIL IN 12-18 INCH LIFTS WITHOUT COMPACTION. OVERFILLING WILL BE NECESSARY TO ACCOUNT FOR SETTLEMENT. PRESSURE SOIL AT LEAST ONE DAY PRIOR TO FINAL GRADING AND LANDSCAPING TO ALLOW FOR SETTLEMENT.
- AFTER ALLOWING SOIL TO SETTLE, COMPLETE FINAL GRADING WITHIN 3 INCHES OF THE PROPOSED DESIGN ELEVATIONS, LEAVING SPACE FOR TOP DRESSING OF MULCH OR MULCH/COMPOST BLEND.
- SEED AND PLANT VEGETATION AS INDICATED ON THE PLANS AND SPECIFICATIONS.
- PLACE MULCH AND HAND GRADE TO FINAL ELEVATIONS.
- WATER VEGETATION REGULARLY DURING FIRST YEAR TO ENSURE SUCCESSFUL ESTABLISHMENT.

RAIN GARDEN PLANTING/SELECTION NOTES

- CONTRACTOR SHALL COORDINATE WITH OWNER AND CERTIFIED NURSERY FOR PLANTING SELECTION AND LAYOUT.
- ALL LANDSCAPE PLANTINGS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 5 OF THE CITY OF INDIANAPOLIS GREEN SUPPLEMENTAL DOCUMENT AND OFFICE OF SUSTAINABILITY.
- THE MINIMUM PLANTING QUANTITIES LISTED BELOW SHALL BE SATISFIED:
 - 10 LARGE TREES
 - 20 SMALL TREES OR SHRUBS
 - 60 FERNS OR GRASS-LIKE PLANTS (1-GALLON CONTAINERS)
 - GROUND COVER PLANTINGS AND WILD FLOWER PLUGS - 12 INCHES ON CENTER - TRIANGULAR SPACING (NOTE: A NATIVE GRASS/WILD FLOWER SEED MIX CAN BE USED AS AN ALTERNATIVE TO GROUND COVER PLANTING. SEED MIX SHALL BE FREE OF WEED SEEDS.)
- THE PLANTING MATERIALS SHALL BE IN ACCORDANCE WITH THE TABLES BELOW:
 - TABLE 5.2.1 : LOWEST ZONE
 - TABLE 5.2.2 : MIDDLE ZONE
 - TABLE 5.2.3 : HIGHEST ZONE
 - RAIN GARDEN PLANTING ZONE DETAIL



RAIN GARDEN PLANTING ZONE DETAIL

NOT TO SCALE

Lowest Zone (Hydrologic zones 2-4):

Plant species adapted to standing and fluctuating water levels. Frequently used native plants include * :
Table 5.2.1 : Lowest Zone (Hydrologic zones 2-4) Suggested Plants

asters (Aster spp.)	winterberry (Ilex verticillata)
goldenrods (Solidago spp.)	arrowwood (Viburnum dentatum)
bergamot (Monarda fistulosa)	sweet pepperbush (Clethra alnifolia)
blue-flag iris (Iris versicolor)	bayberry (Myrica pensylvanica)
sedges (Carex spp.)	button bush (Cephalanthus occidentalis)
ironweed (Vernonia spp.)	white oak (Quercus bicolor)
blue vervain (Verbena hastata)	elderberry (Sambucus canadensis)
joe-pye weed (Eupatorium spp.)	bald cypress (Taxodium distichum)
swamp milkweed (Asclepias incarnata)	river birch (Betula nigra)
switchgrass (Panicum virgatum)	sweetgum (Liquidambar styraciflua)
shrub dogwoods (Cornus spp.)	northern white cedar (Juniperus virginiana)
swamp rose (Rosa palustris)	red maple (Acer rubrum)

* Refer to the plant list for a complete listing

Middle Zone (Hydrologic zones 4-5):

This zone is slightly drier than the lowest zone, but plants should still tolerate fluctuating water levels. Some commonly planted native species include * :
Table 5.2.2 : Middle Zone (Hydrologic zones 4-5)

black snakeroot (Cimicifuga racemosa)	spicebush (Lindera benzoin)
switchgrass (Panicum virgatum)	hackberry (Celtis occidentalis)
spotted joe-pye weed (Eupatorium maculatum)	willow oak (Quercus phellos)
cutleaf coneflower (Rudbeckia laciniata)	winterberry (Ilex verticillata)
fringed hawthorn (Crataegus pinosa)	slippery elm (Ulmus rubra)
ostrich fern (Matteuccia struthiopteris)	bladdernut viburnum (Viburnum prunifolium)
sensitive fern (Onoclea sensibilis)	Nannyberry (Viburnum)
ironwood (Carpinus caroliniana)	witch-hazel (Hamamelis virginiana)
obedient plant (Physostegia virginiana)	steepbush (Spiraea tomentosa)

* Refer to the plant list for a complete listing

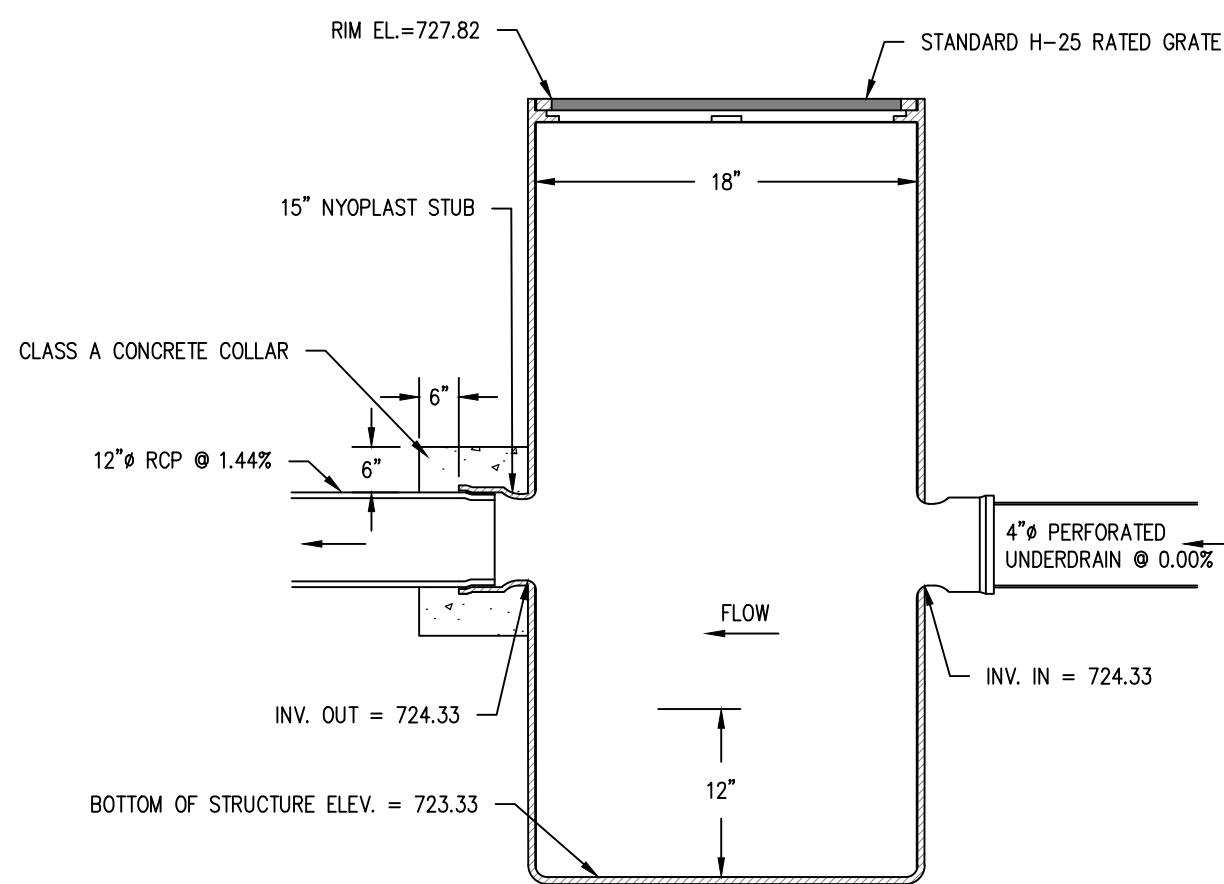
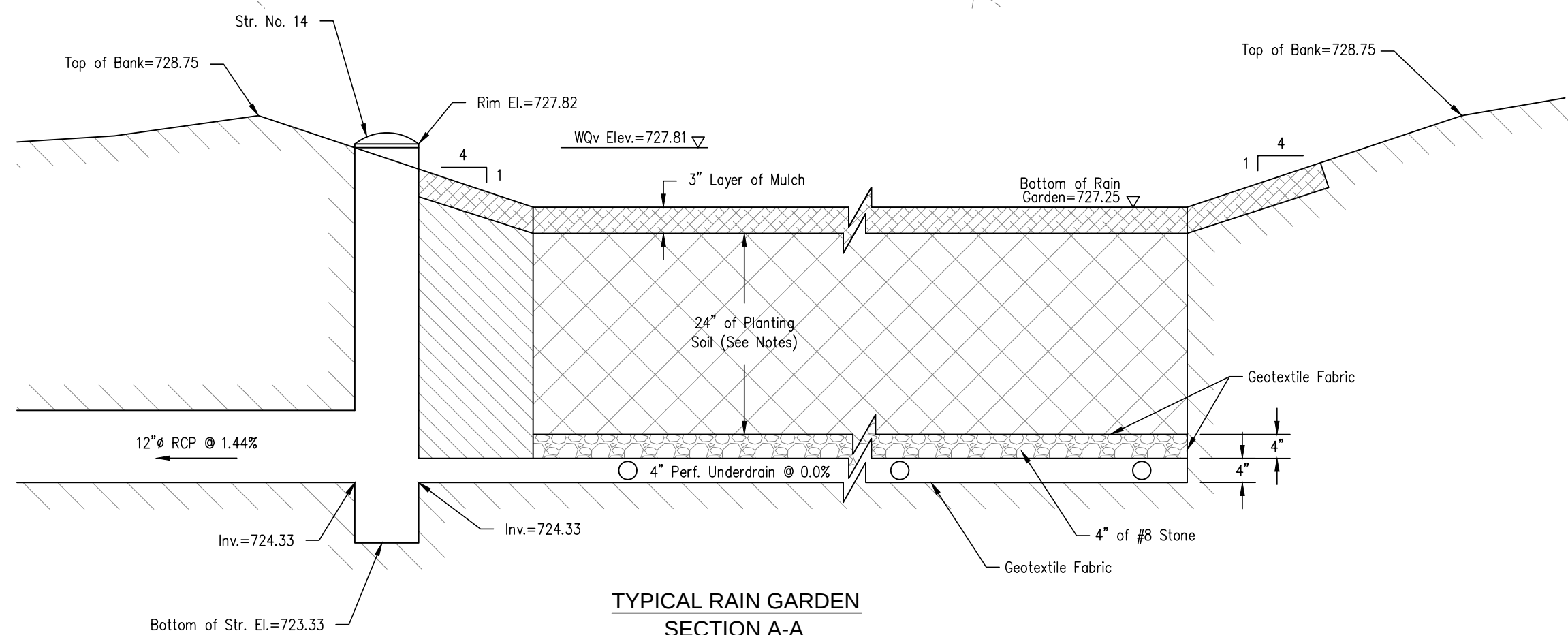
Outer Zone (Hydrologic zones 5-6):

Generally supports plants adapted to drier conditions. Examples of commonly planted native species include * :
Table 5.2.3 : Outer Zone (Hydrologic zones 5-6)

many grasses & wildflowers	juniper (Juniperus communis)
basswood (Tilia americana)	sweet-fern (Comptonia peregrina)
willow oak (Quercus alba)	eastern red cedar (Juniperus virginiana)
scarlet oak (Quercus coccinea)	smooth serviceberry (Amelanchier laevis)
black oak (Quercus velutina)	american holly (Ilex opaca)
american beech (Fagus grandifolia)	assafras (Sassafras albidum)
burr oak (Quercus macrocarpa)**	shumard oak (Quercus shumardi)**
mapleleaf viburnum (viburnum acerifolium)	wild hydrangea (hydrangea arborescens)
black chokecherry (Aronia melanocarpa)	white pine (Pinus strobus)

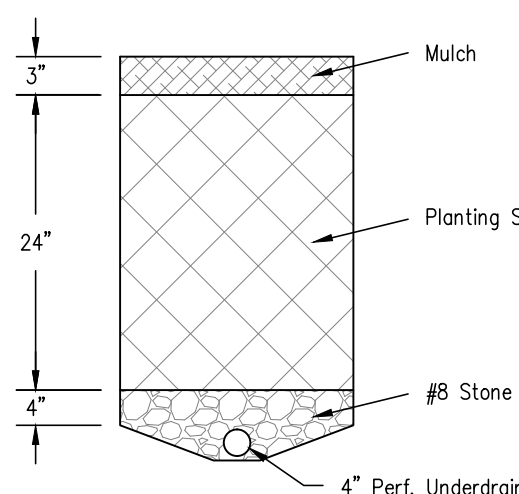
* Refer to the plant list for a complete listing

** Can be used in both the middle zone and outer zone—most adaptable oaks to constructed sites and variable hydrology.



RAIN GARDEN OUTLET STRUCTURE DETAIL

NOT TO SCALE



UNDERDRAIN DETAIL

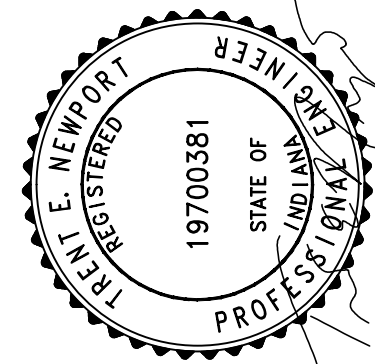
NOT TO SCALE



RAIN GARDEN PLAN

CITY OF FRANKLIN RECREATION CENTER

JOB No.	DRAWN	AEC	CHECKED	GJJ
DATE	DESIGNED	DMS	APPR.	TEN



APPR.

BY

REVISIONS

NO.

DATE

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