

PROPOSED RETAIL SHOPS
OUTLOT #10 - MASSILLON MARKET PLACE
2 MASSILLON MARKETPLACE BOULEVARD
MASSILLON, STARK COUNTY, OHIO

SITE DEVELOPMENT PLANS

UTILITY CONTACT LIST

SEWER: CITY OF MASSILLON ENGINEERING DEPT.
151 LINCOLN WAY EAST
MASSILLON, OHIO 44846
CONTACT: MR. STEVEN HAMIT, P.E.
PHONE: 330-830-1722

AQUA OHIO, INC.
870 THIRD STREET, NW
MASSILLON, OHIO 44846
CONTACT: MR. DONALD SNYDER
PHONE: 330-832-5764, EXT. 205

TELEPHONE: SBC COMMUNICATIONS
6th FLOOR, 50 WEST BOWERY STREET
AKRON, OH 44308
CONTACT: MR. CHRIS CLEMENTS
PHONE: 330-384-3475

GAS: NORTHEAST OHIO GAS
9081 US 250
STRASBURG, OH 44680
CONTACT: MS. JILL WELLS
PHONE: 1-800-848-5588

ELECTRIC: OHIO EDISON
1910 WEST MARKET STREET
FAIRLAWN BUILDING ONE
AKRON, OH 44313
CONTACT: MR. JEFF KNAPP
PHONE: 330-384-4655

GOVERNMENTAL AGENCIES

SITE PLAN APPROVAL
CITY OF MASSILLON
151 LINCOLN WAY EAST
MASSILLON, OHIO 44846
CONTACT: MR. STEVEN HAMIT, P.E.
PHONE: 330-830-1722

CONSTRUCTION SEDIMENT CONTROL PLAN
STARK COUNTY NATURAL RESOURCE CONSERVATION SERVICE
2311 COLUMBUS ROAD NE
CANTON, OHIO 44705
CONTACT: MS. JULIE BERBARI
PHONE: 330-489-4476

BUILDING CODE OFFICIAL
CITY OF MASSILLON
151 LINCOLN WAY EAST
MASSILLON, OHIO 44846
CONTACT: MR. DONALD SNYDER
PHONE: 330-830-1724

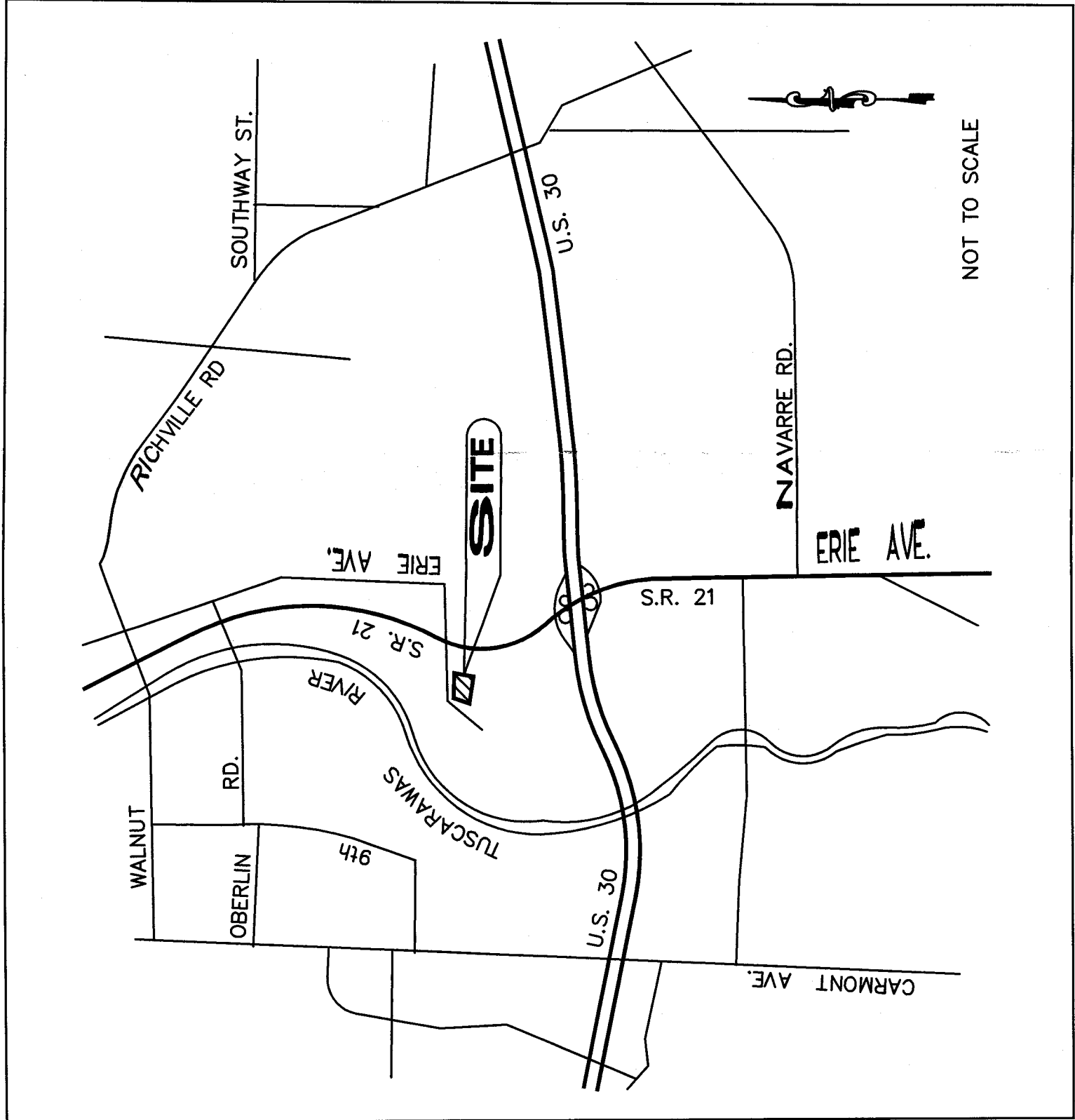
ENGINEER-

W
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Consulting Engineers + Land Surveyors

6745 Sugarloaf Parkway • Suite 100 • Duluth, Georgia 30097
Phone: (770) 447-8999 • Fax: (770) 447-9070
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1. THE SITEWORK FOR THIS PROJECT SHALL MEET OR EXCEED THE STANDARD SITEWORK SPECIFICATIONS
2. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY LOCAL, STATE, AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.



SITE LOCATION MAP

SHEET INDEX					
Page Num	Description	Issued	Latest Revision	Comment	
1	COVER SHEET	7/22/05	8/19/05		
2	TOPOGRAPHIC SURVEY	6/5/05	8/19/05	HANNAH & ASSOCIATES	
3	SITE PLAN	7/22/05	8/19/05		
4	GRADING PLAN	7/22/05	8/19/05		
5	UTILITY PLAN	7/22/05	8/19/05		
6	EROSION CONTROL PLAN	7/22/05	8/19/05		
7	STORM SEWER PROFILES	7/22/05	8/19/05		
8	DETAIL SHEET	7/22/05	8/19/05		
9	DETAIL SHEET	7/22/05	8/19/05		
10	DETAIL SHEET	7/22/05	8/19/05		

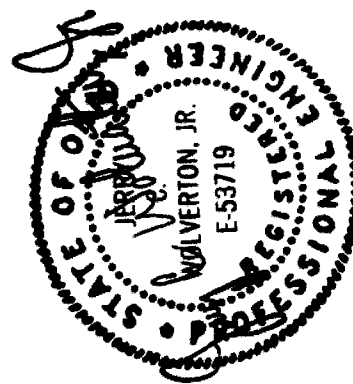
DEVELOPER-
DEVILLE-THF-MASSILLON
DEVELOPMENT L.L.C.
2127 INNERBELT BUSINESS CENTER DR.
SUITE 200
ST. LOUIS, MO. 63114
314-429-0900

Project Developer

DEVILLE-THF-MASSILLON
DEVELOPMENT L.L.C.
2127 INNERBELT BUSINESS CENTER DR.
ST. LOUIS, MO 63114

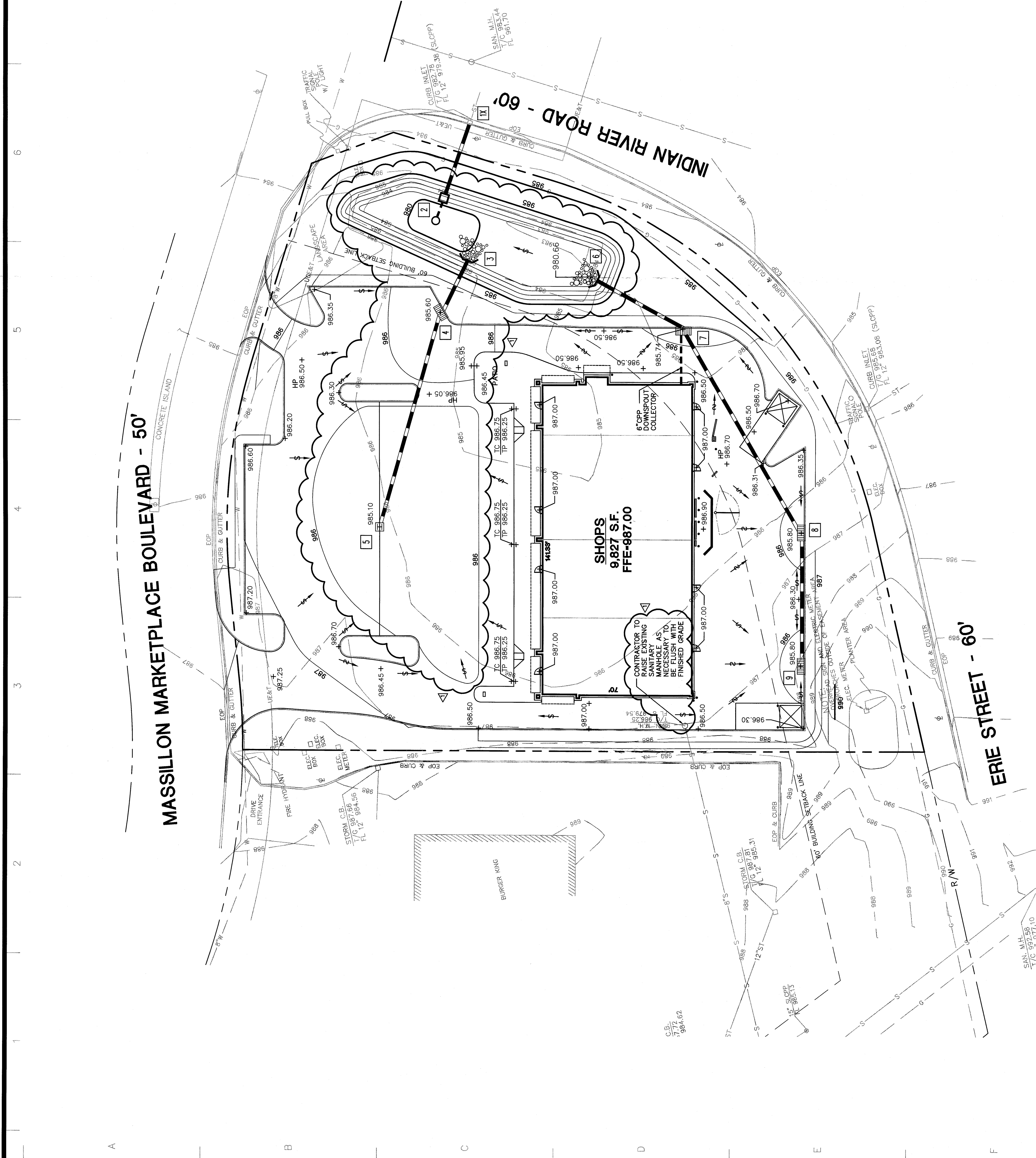
SHEET NUMBER
C-0

Project Title
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OUTLOT #10 MASSILLON MARKET PLACE
2 MASSILLON MARKETPLACE BLVD.
MASSILLON, OHIO

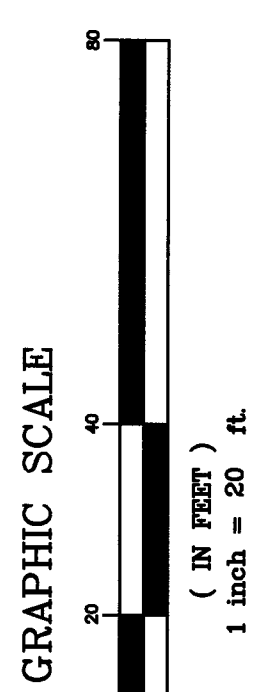


7/19/05

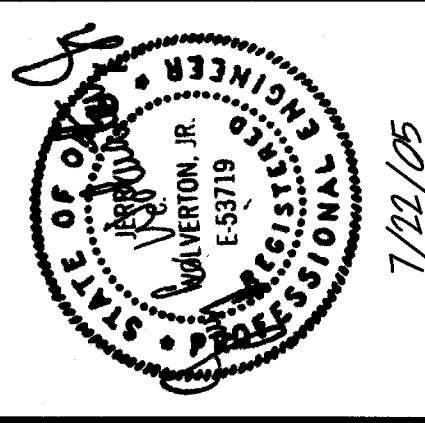
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GRADING PLAN

[illegible]

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W

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SITE LOCATION MAP

SITE GRADING NOTES

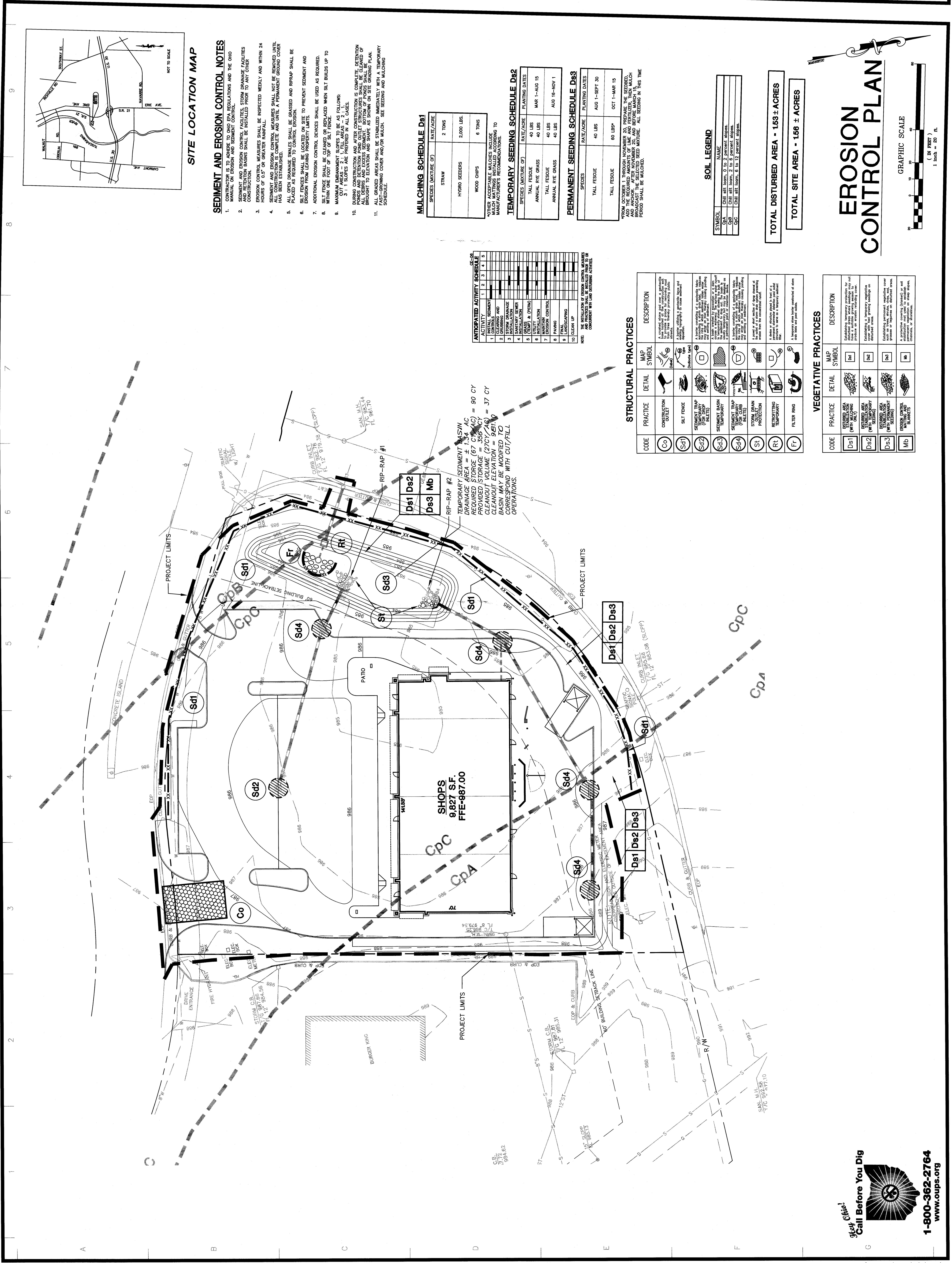
1. CONTRACTOR IS RESPONSIBLE FOR DETERMINATION OF EXISTING STRUCTURES, UTILITIES, AND OBSTACLES TO BE MAINTAINED OR REMOVED DURING THE CONSTRUCTION OF THE PROJECT.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON INFORMATION PROVIDED BY THE CITY OF CHICAGO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY EXCAVATION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROPRIATE UTILITY COMPANIES AT LEAST 14 DAYS BEFORE ANY EXCAVATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROPRIATE UTILITY COMPANIES AT LEAST 14 DAYS BEFORE ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROPRIATE UTILITY COMPANIES AT LEAST 14 DAYS BEFORE ANY EXCAVATION.
4. THE CONTRACTOR SHALL CONDUCT THE PROPOSED IMPROVEMENTS EXHIBING THE PLANS.
5. ALL CUT OR FILL SLOPES SHALL BE 3:1, OR FLATTER UNLESS OTHERWISE NOTED. SLOPES SHALL BE 3:1 SHALL, AFTER MOULDING, SEEDING, AND SOIL PROTECTION, BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES BY THE CONTRACTOR OR OWNER.
6. ALL DISTURBED AREAS NOT OTHERWISE COVERED BY BUILDINGS OR ADJACENT AREAS SHALL BE RESTORED TO ORIGINAL CONDITION, INCLUDING SOIL, VEGETATION, AND HEALTHY STANDS OF GRASS IS OBTAINED.
7. PRECAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION.
8. ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.
9. ALL CONCRETE SHALL BE SUBMITTED TO BE ANALYZED AND REPORTED AS DESIRED.
10. EXISTING AND EXISTING PIPES TO BE GLAZED OUT TO REMOVE ALL SILT AND DEBRIS.
11. STRUCTURES SHALL BE AS FOLLOWS:
 - A. CONCRETE SHALL BE TYPE I/II.
 - B. CONCRETE SHALL BE TYPE I/II.
 - C. CONCRETE SHALL BE TYPE I/II.
 - D. CONCRETE SHALL BE TYPE I/II.
 - E. CONCRETE SHALL BE TYPE I/II.
 - F. CONCRETE SHALL BE TYPE I/II.
 - G. CONCRETE SHALL BE TYPE I/II.
 - H. CONCRETE SHALL BE TYPE I/II.
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 - J. CONCRETE SHALL BE TYPE I/II.
 - K. CONCRETE SHALL BE TYPE I/II.
 - L. CONCRETE SHALL BE TYPE I/II.
 - M. CONCRETE SHALL BE TYPE I/II.
 - N. CONCRETE SHALL BE TYPE I/II.
 - O. CONCRETE SHALL BE TYPE I/II.
 - P. CONCRETE SHALL BE TYPE I/II.
 - Q. CONCRETE SHALL BE TYPE I/II.
 - R. CONCRETE SHALL BE TYPE I/II.
 - S. CONCRETE SHALL BE TYPE I/II.
 - T. CONCRETE SHALL BE TYPE I/II.
 - U. CONCRETE SHALL BE TYPE I/II.
 - V. CONCRETE SHALL BE TYPE I/II.
 - W. CONCRETE SHALL BE TYPE I/II.
 - X. CONCRETE SHALL BE TYPE I/II.
 - Y. CONCRETE SHALL BE TYPE I/II.
 - Z. CONCRETE SHALL BE TYPE I/II.
12. ALL PIPE CONNECTIONS ARE TO HAVE A WATER TIGHT SEAL.

DRAINAGE SCHEDULE

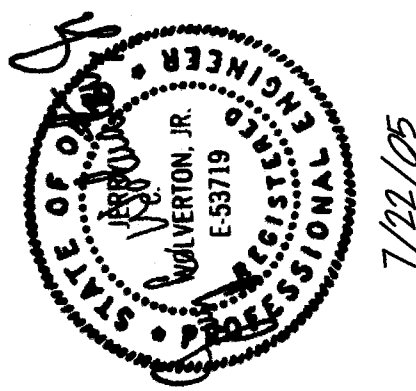
STRUCTURE	STRUCTURE TYPE	Q-230P EXISTING	INVERT	INVERT	PIPE LENGTH	PIPE INVERT	PERCENT DIFFERENCE
1X	EXISTING	Q-230P EXISTING	979.38 (EX)	979.38	—	—	—
1A-2	OUTLET CONTROL	985.00	979.71	—	—	15"	1.00%
2	OUTLET CONTROL	—	—	—	—	—	—
3-4	HEADWALL	983.50	—	980.50	—	15"	0.68%
4-5	CURB INLET	985.60	980.67	980.77	—	—	—
5	GRATE INLET	985.10	981.27	—	100'	15"	0.92%
6	—	—	—	—	—	—	—
6-7	HEADWALL	983.68	—	980.68	—	—	—
7	CURB INLET	980.74	980.94	981.04	46'	15"	0.82%
7-8	—	—	—	—	—	—	—
8	CURB INLET	985.80	981.66	981.56	104'	15"	0.50%
8-9	—	—	—	—	—	—	—
9	CURB INLET	985.00	981.98	—	60'	15"	0.50%

GRADING/DRAINAGE PLAN LEGEND

- | | |
|---|------------------------------|
|  | STORM SEWER PIPING |
|  | DRAINAGE STRUCTURE INDICATOR |
|  | DROP INLET |
|  | SLOPE ARROW |
|  | RIP RAP APRON |
|  | PRECAST HEADWALL STRUCTURE |

[illegible]

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SITE LOCATION MAP

SEDIMENT AND EROSION CONTROL NOTES

1. MANUAL LIFT TO BE ADDED TO CHD EPA REGULATIONS AND THE OHIO DEPARTMENT OF HEALTH'S REGULATIONS.
2. SEWAGE TREATMENT PLANT EFFLUENT SHALL BE DISCHARGED INTO DRAINAGE FACILITIES AND RETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
3. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF 0.5 FT OR GREATER RAINFALL.
4. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THE CONSTRUCTION IS COMPLETE, AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
5. ALL OPEN FURNACE SMOKE SHALL BE COLLECTED AND REAPPAID SHALL BE PLACED AS REQUIRED TO CONTROL EMISSIONS.
6. SITE FORCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EMISSION FROM LEAVING PROPERTY LIMITS.
7. ADDITIONAL EMISSION CONTROL DEVICES SHALL BE USED AS REQUIRED.
8. WHEN ONE POND IS TO BE CLEANED OR REPLACED WHEN SOIL BUILDS UP TO EXCEED 18 INCHES, ANOTHER POND SHALL BE AVAILABLE TO RECEIVE RUNOFF.
9. MAXIMUM DRAINAGE SHOULD BE 15' BY 15' WHEN COT AREAS = 2, 10' BY 10' WHEN COT AREAS = 1, 12' BY 12' WHEN COT AREAS = 3.
10. DURING CONSTRUCTION, THERE SHALL BE NO UNCONTROLLED ATTENTION POINTS AND DETENTION POND WATER STRATIFICATION SHALL BE MONITORED. RUNOFF SHALL BE BROUGHT TO RETENTION POND AND SHOWN AS SUCH TO THE LOCAL HEALTH DEPARTMENT.
11. ALL GRAZED AREAS SHALL BE RESTORED IMMEDIATELY WITH A PERMANENT FAST-GROWING COVER AND MULCHED. SEE SEEDING AND MULCHING SPECIFICATIONS.

MULCHING SCHEDULE Ds1

SPECIES (MIXTURE OF)	RATE/ACRE
STRAW	2 TONS
HYDRO SEEDERS	2,000 LBS.
WOOD CHIPS	6 TONS

OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

TEMPORARY SEEDING SCHEDULE Ds2

SPECIES (MIXTURE OF)	RATE/ACRE	PLANTING DATES
TALL FESCUE	40 LBS	
ANNUAL RYE GRASS	40 LBS	MAR 1-AUG 15
TALL FESCUE	40 LBS	
ANNUAL RYE GRASS	40 LBS	AUG 16-NOV 1

PERMANENT SEEDING SCHEDULE Ds3

PERMANENT SEEDING SCHEDULE Ds3

SPECIES	RATE/ACRE	PLANTING DATES
TALL FESCUE	40 LBS	AUG 1-SEPT 30
TALL FESCUE	60 LBS*	OCT 1-MAR 15

FROM OCTOBER 1 THROUGH NOVEMBER 20, PREPARE THE SEEDBED, ADD THE REQUIRED AMOUNTS OF LIME AND FERTILIZER, THEN MULCH AND ANCHOR. AFTER NOVEMBER 20, AND BEFORE MARCH 15, BROADCAST THE SELECTED SEED MIXTURE. ALL SEEDING IN THIS TIME PERIOD SHALL BE MULCHED.

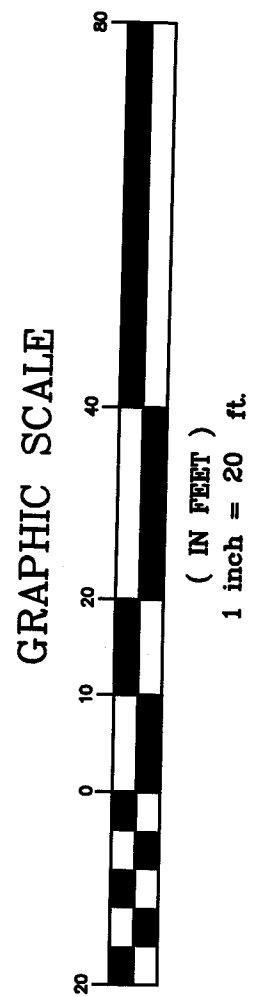
SOIL LEGEND

SYMBOL	NAME
QpA	Chill silt loam, 0 to 2 percent slopes.
QpB	Chill silt loam, 2 to 6 percent slopes.
QpC	Chill silt loam, 6 to 12 percent slopes.

TOTAL DISTURBED AREA - 1.53 ± ACRES

TOTAL SITE AREA - 1.56 ± ACRES

EROSION CONTROL PLAN



STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
C0	CONSTRUCTION CUTTING			A completed stage that uses a portable saw to cut a piece of wood to a desired length or to remove a small amount of wood.
C1	SILT FENCE			A completed stage that uses a portable saw to cut a piece of wood to a desired length or to remove a small amount of wood.
C2	STANDARD 16-IN. TEMPERATURE NAILS			A completed stage that uses a portable saw to cut a piece of wood to a desired length or to remove a small amount of wood.
C3	STANDARD 16-IN. TEMPERATURE NAILS			A completed stage that uses a portable saw to cut a piece of wood to a desired length or to remove a small amount of wood.
C4	STANDARD 16-IN. TEMPERATURE NAILS			A completed stage that uses a portable saw to cut a piece of wood to a desired length or to remove a small amount of wood.
S1	WOOD JOINT PROTECTION			A completed stage that uses a portable saw to cut a piece of wood to a desired length or to remove a small amount of wood.
R1	REBORING TEMPERATURE			A completed stage that uses a portable saw to cut a piece of wood to a desired length or to remove a small amount of wood.
F1	FLUTE RING			A completed stage that uses a portable saw to cut a piece of wood to a desired length or to remove a small amount of wood.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DESIGNED AREA WITH TEMPORARY VEGETATION ONLY		Ds1	Establish a temporary vegetation in designated areas where seedlings may not produce an improved seedling cover
Ds2	DESIGNED AREA WITH TEMPORARY VEGETATION		Ds2	Establish a temporary vegetation in designated areas where seedlings are present
Ds3	DESIGNED AREA WITH PERMANENT VEGETATION		Ds3	Establish permanent vegetation cover in designated areas where seedlings are present or expected to develop
Mb	DESIGN CONTROL AREA BLANKET		Mb	A protective covering (blanket) to seal and protect the soil surface from erosion, or frost

ANTICIPATED ACTIVITY SCHEDULE		1	2	3	4	5
1	INSTALL SEDIMENT CONTROLS					
2	DEMOLITION, GRADING AND CLEARING					
3	STORM DRAINAGE INSTALLATION					
4	SANITARY SEWER INSTALLATION					
5	LANDSCAPING (TREES & PERENNIALS)					
6	UTILITY INSTALLATION					
7	MAINTAIN EROSION CONTROL					
8	PAVING					
9	FINAL LANDSCAPING					
10	CLEAN UP					

NOTE: THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

Call Before You Dig



1-800-362-2764
www.oups.org

STORM SEWER PROFILES

**** NOTE ****
CONTRACTOR IS RESPONSIBLE FOR COMPARING THE STORM AND SANITARY SEWER PROFILES TO THE EXISTING RECORD DRAWINGS AND FIELD SURVEY LINES AND INFORMING THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.

ST-1
OF SHEETS

SHEET NUMBER

05-138

AS SHOWN

DATE: 7/22/05

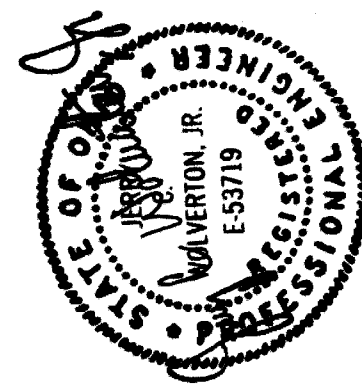
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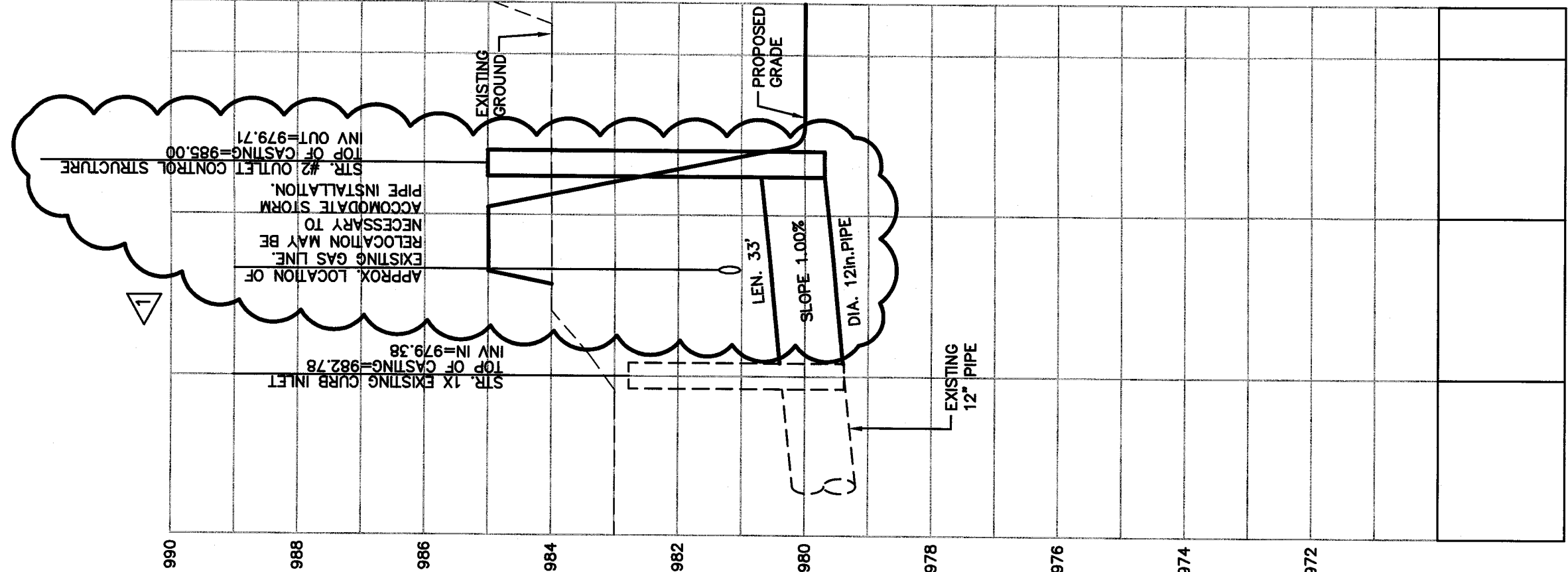
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CITY COMMENTS	CR
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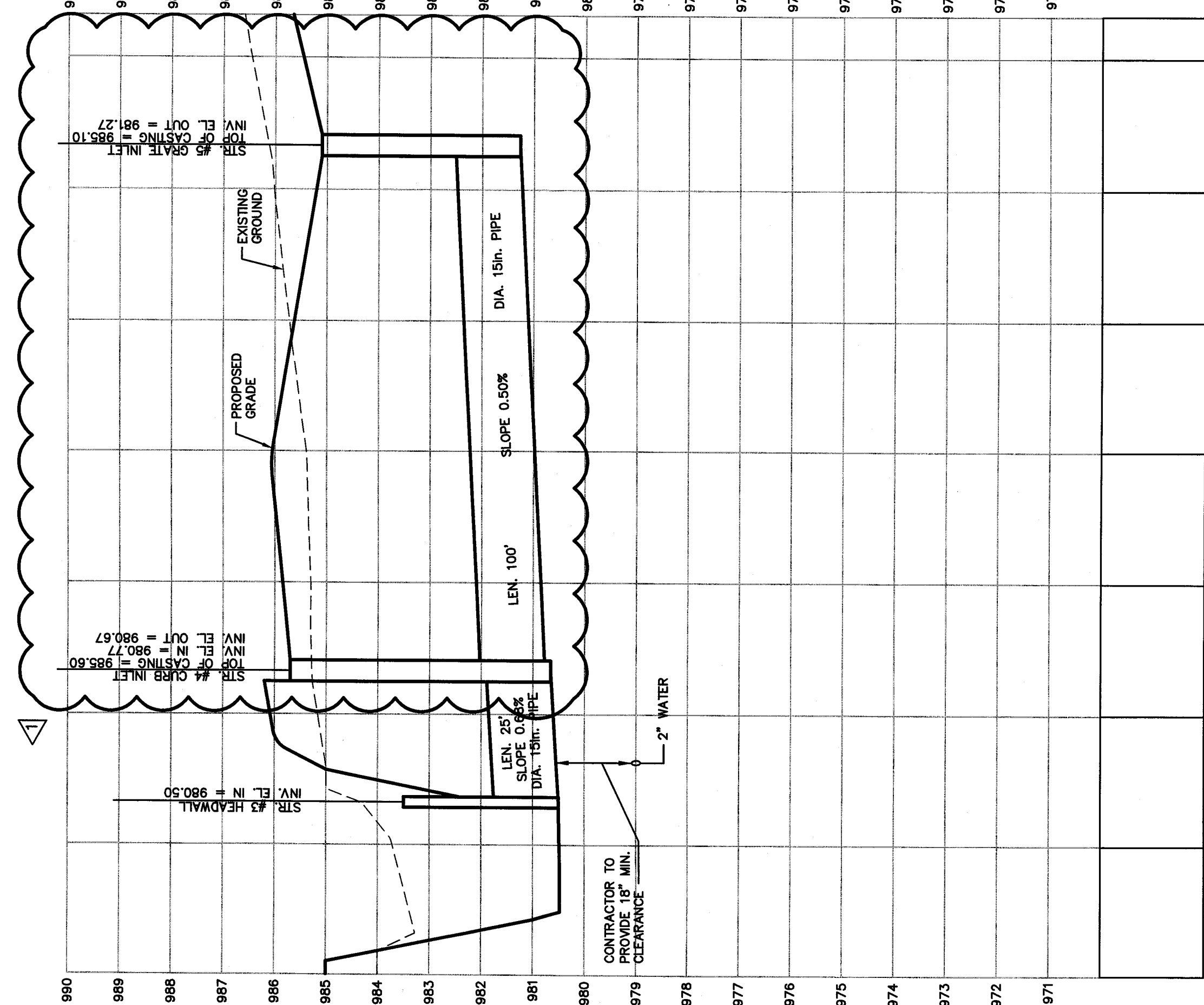


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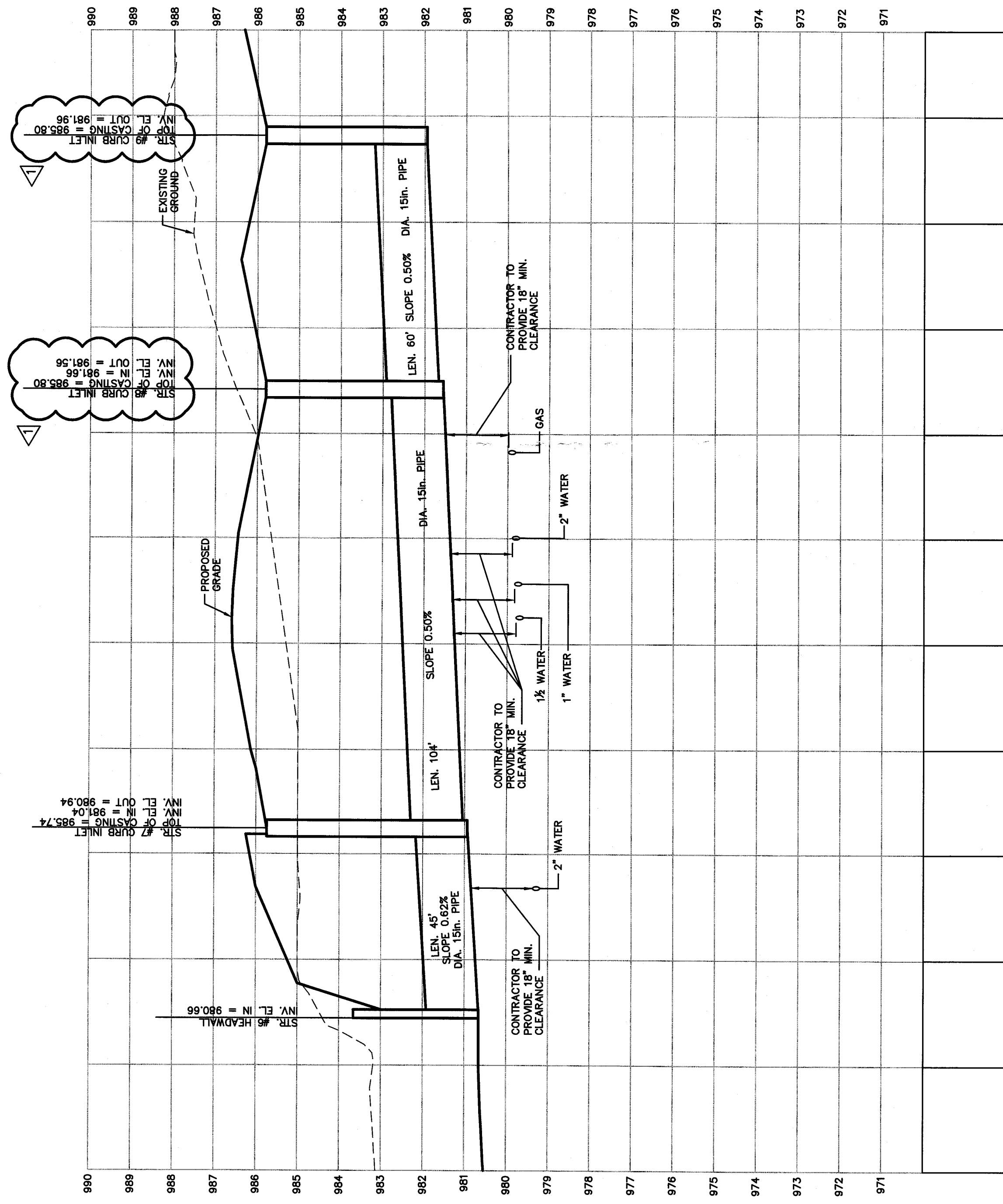
EXISTING STR. #1X TO STR. #2

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1"= 2' VERTICAL



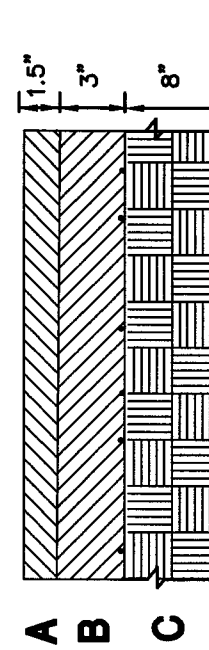
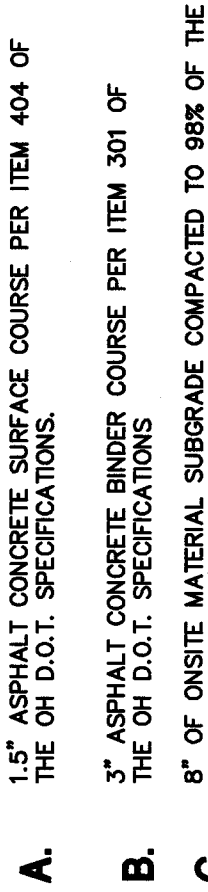
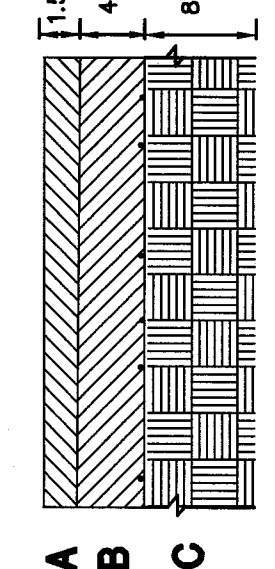
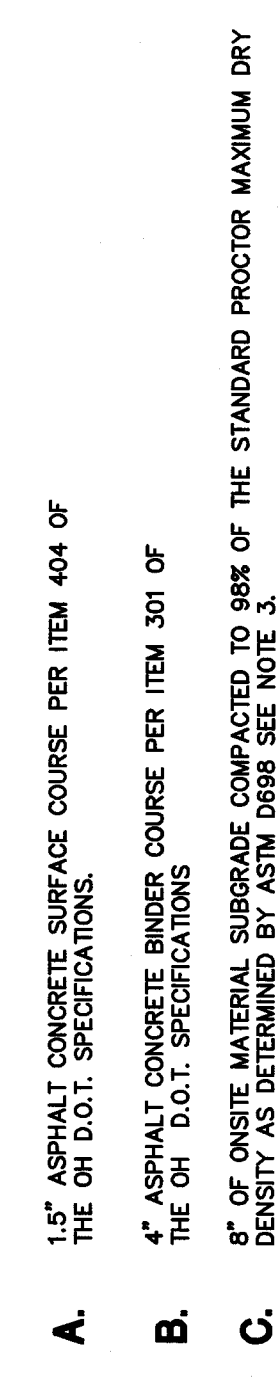
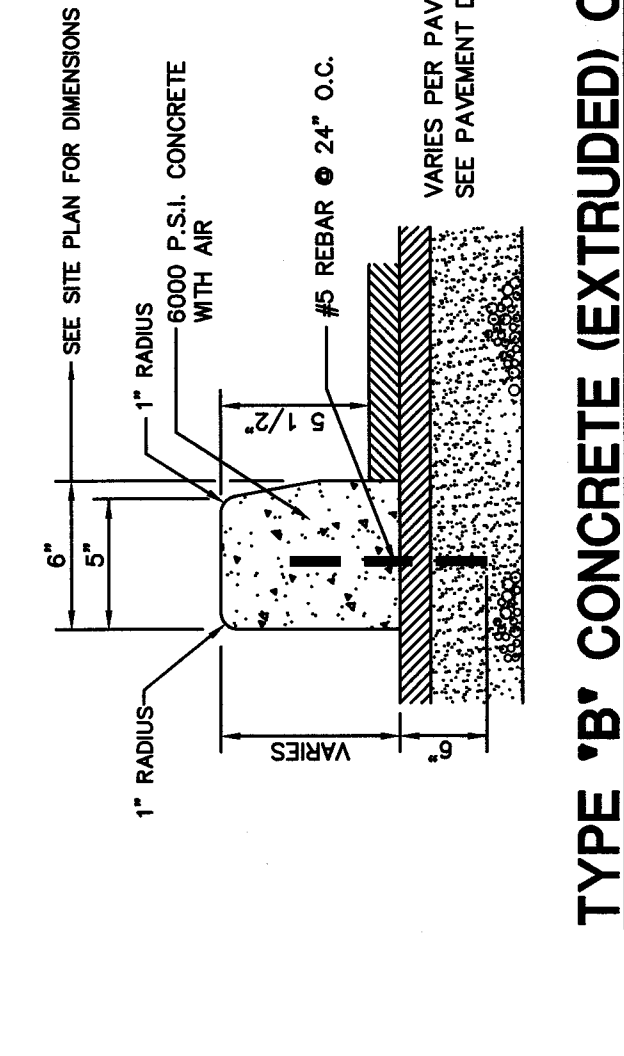
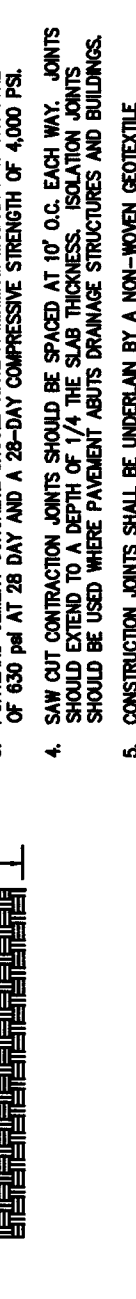
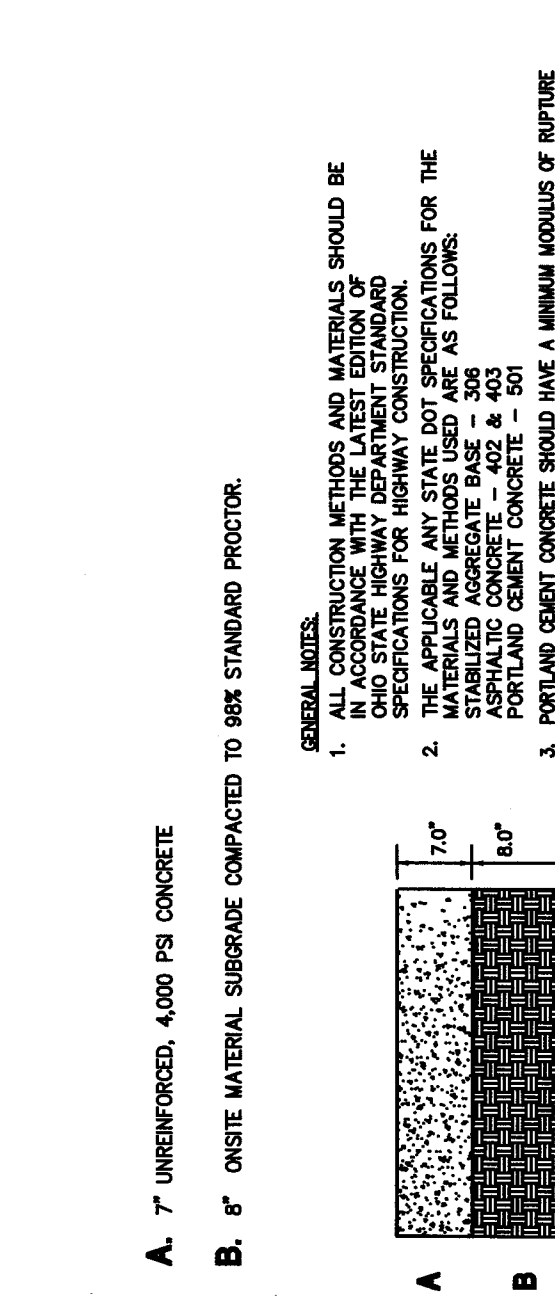
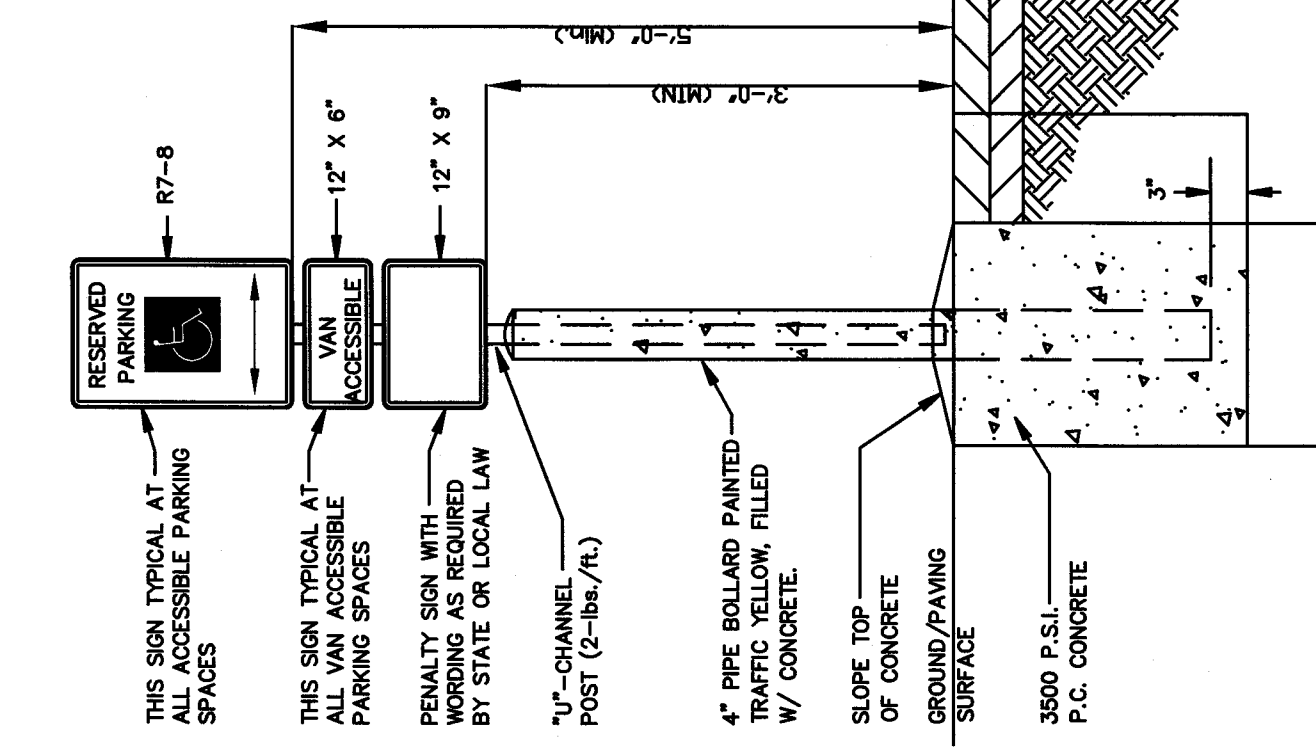
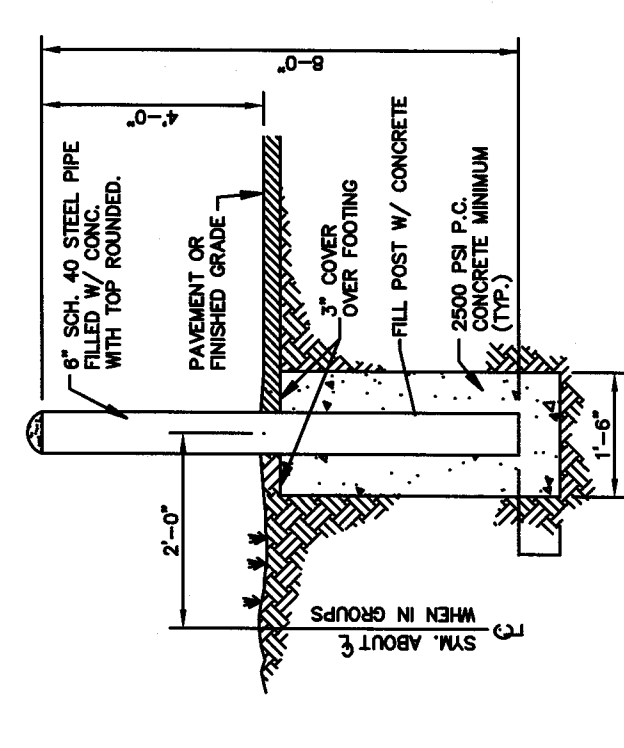
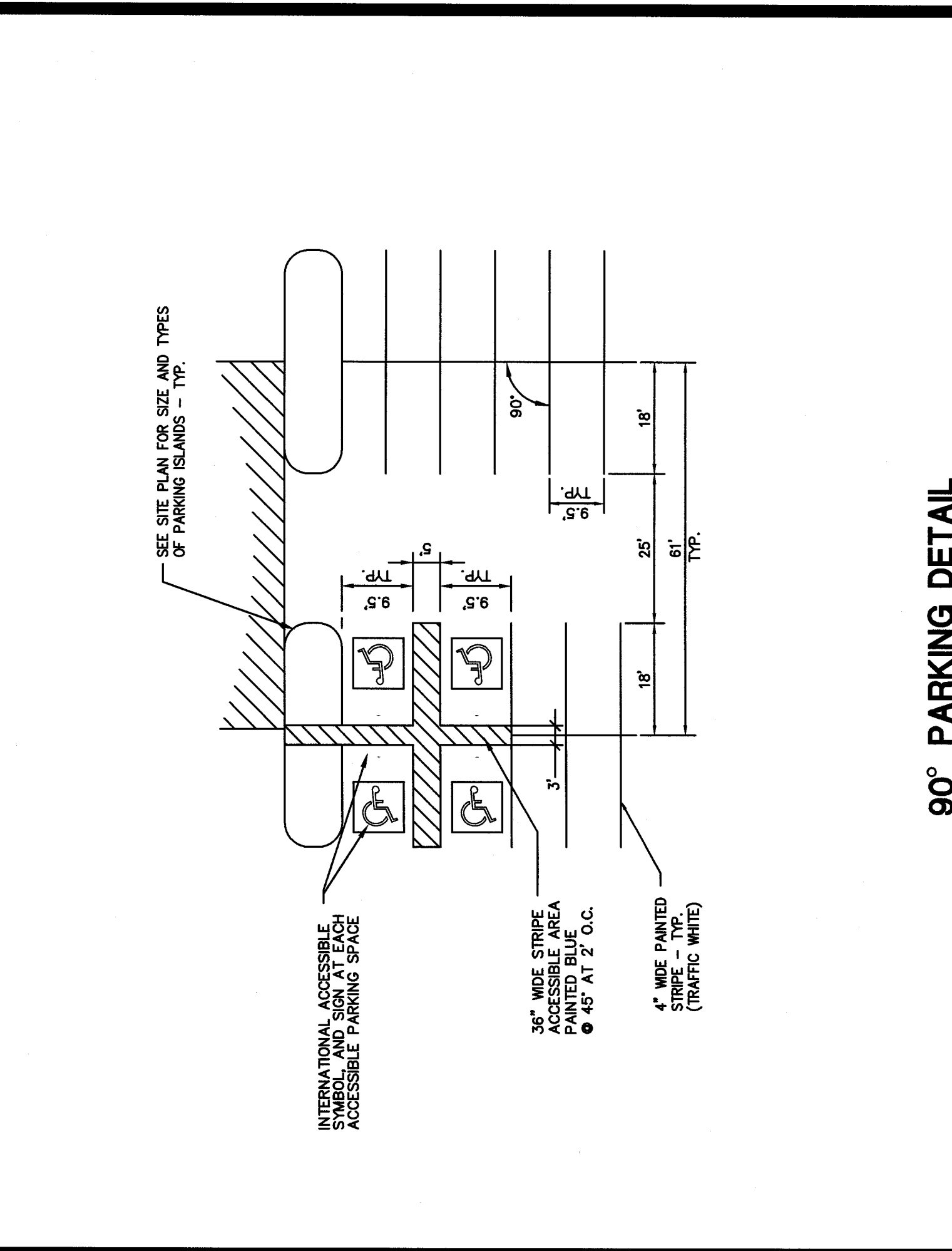
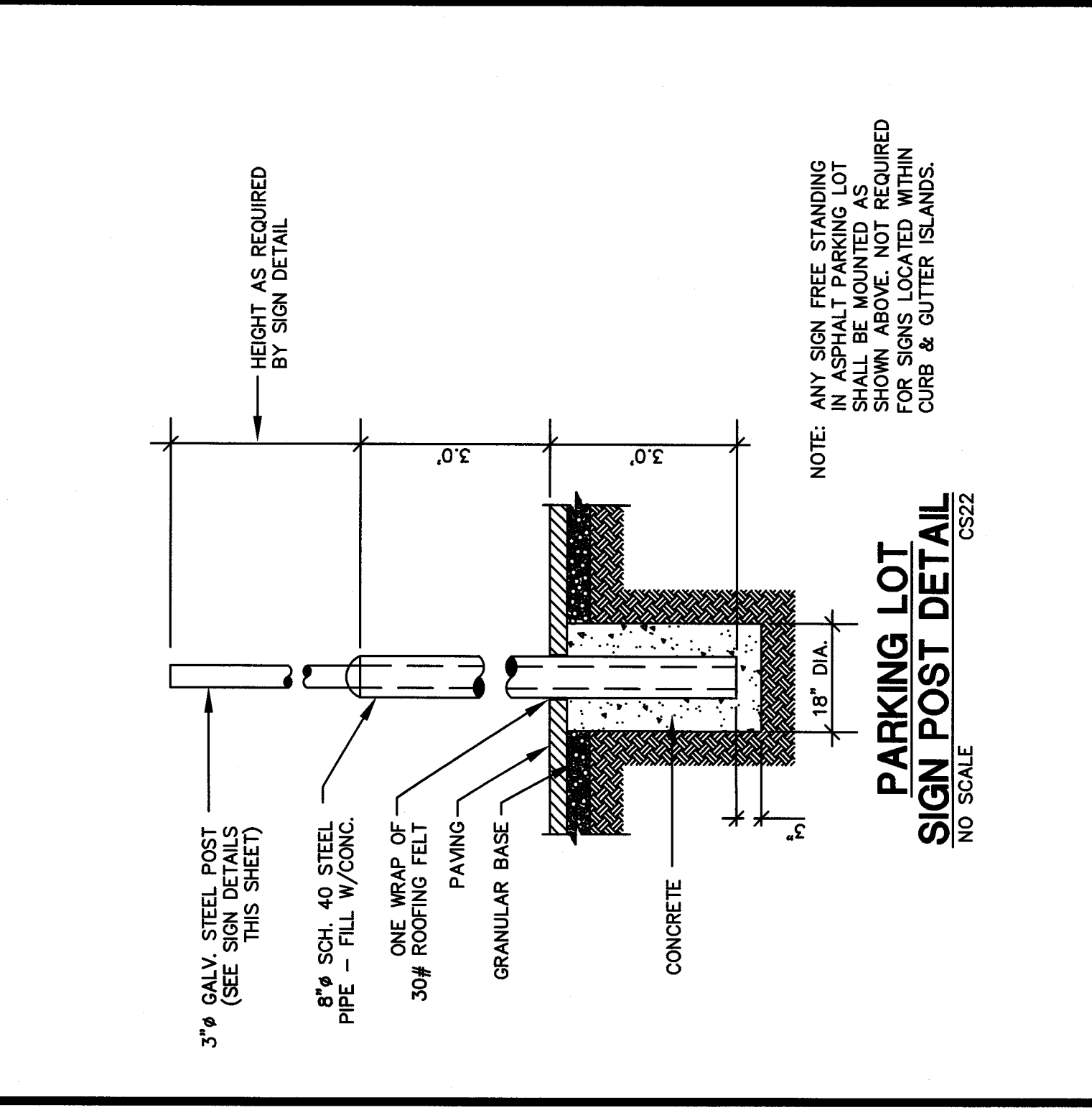
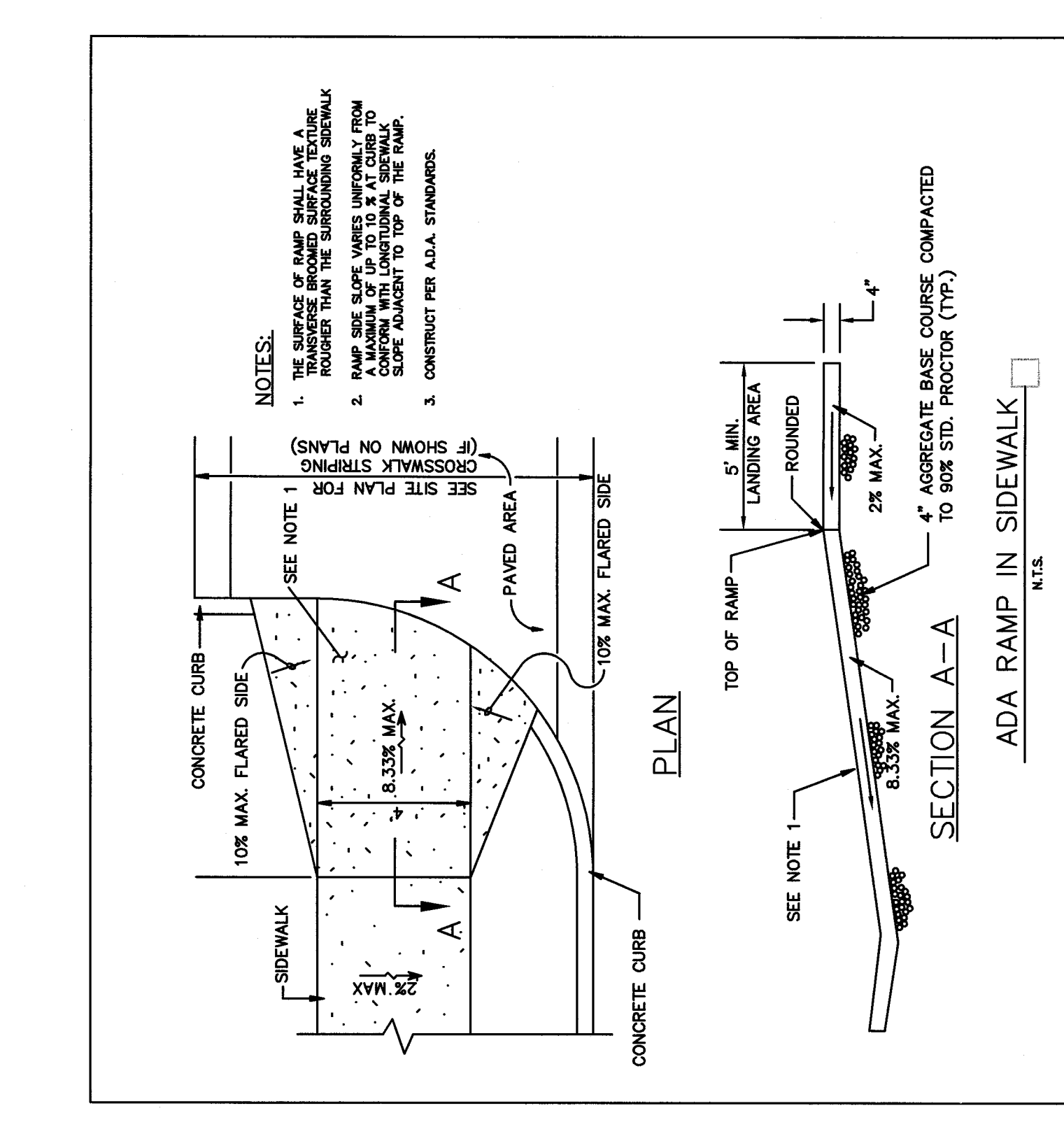
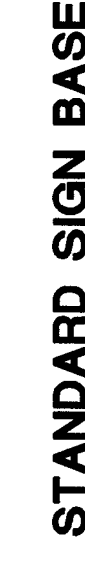
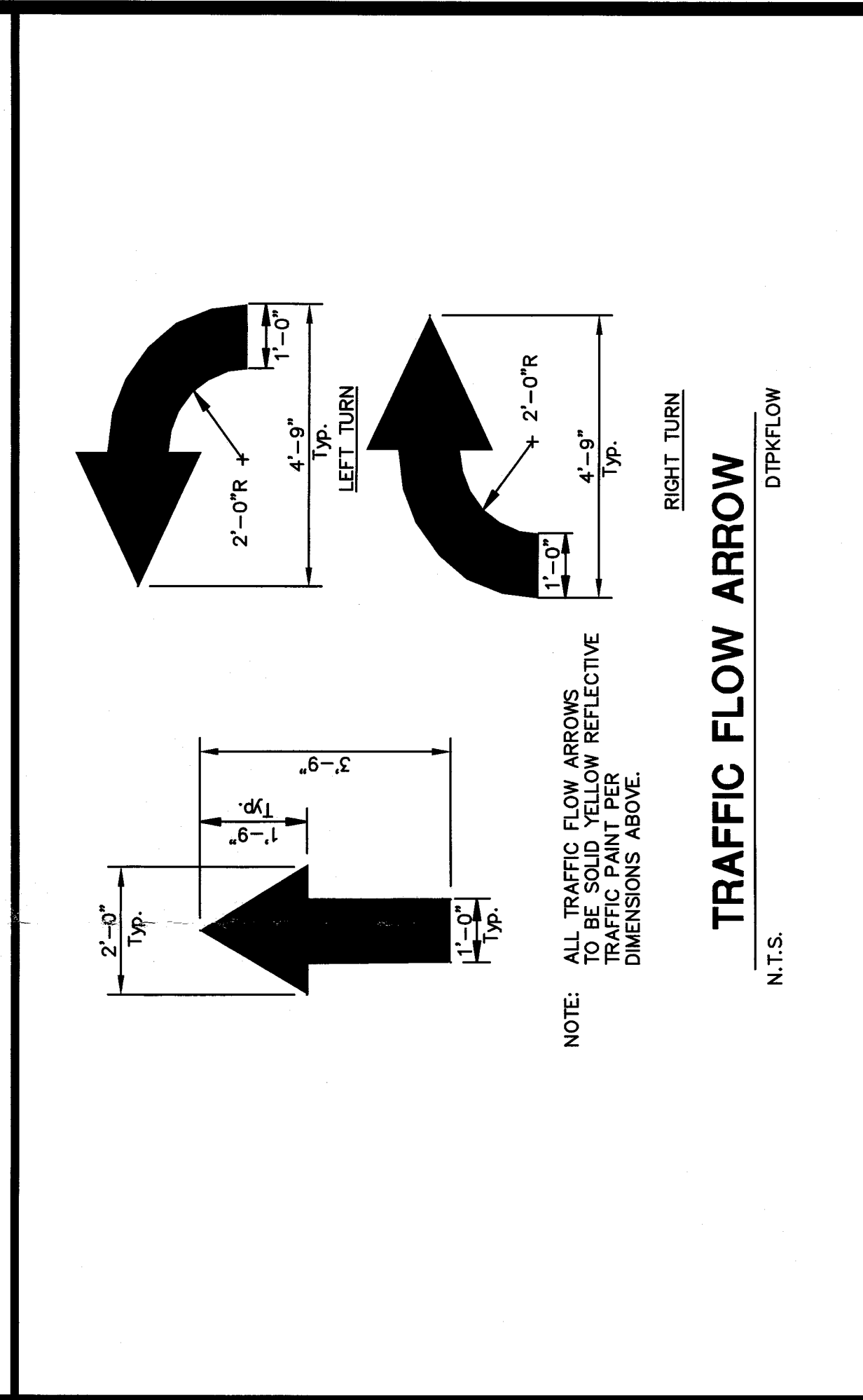
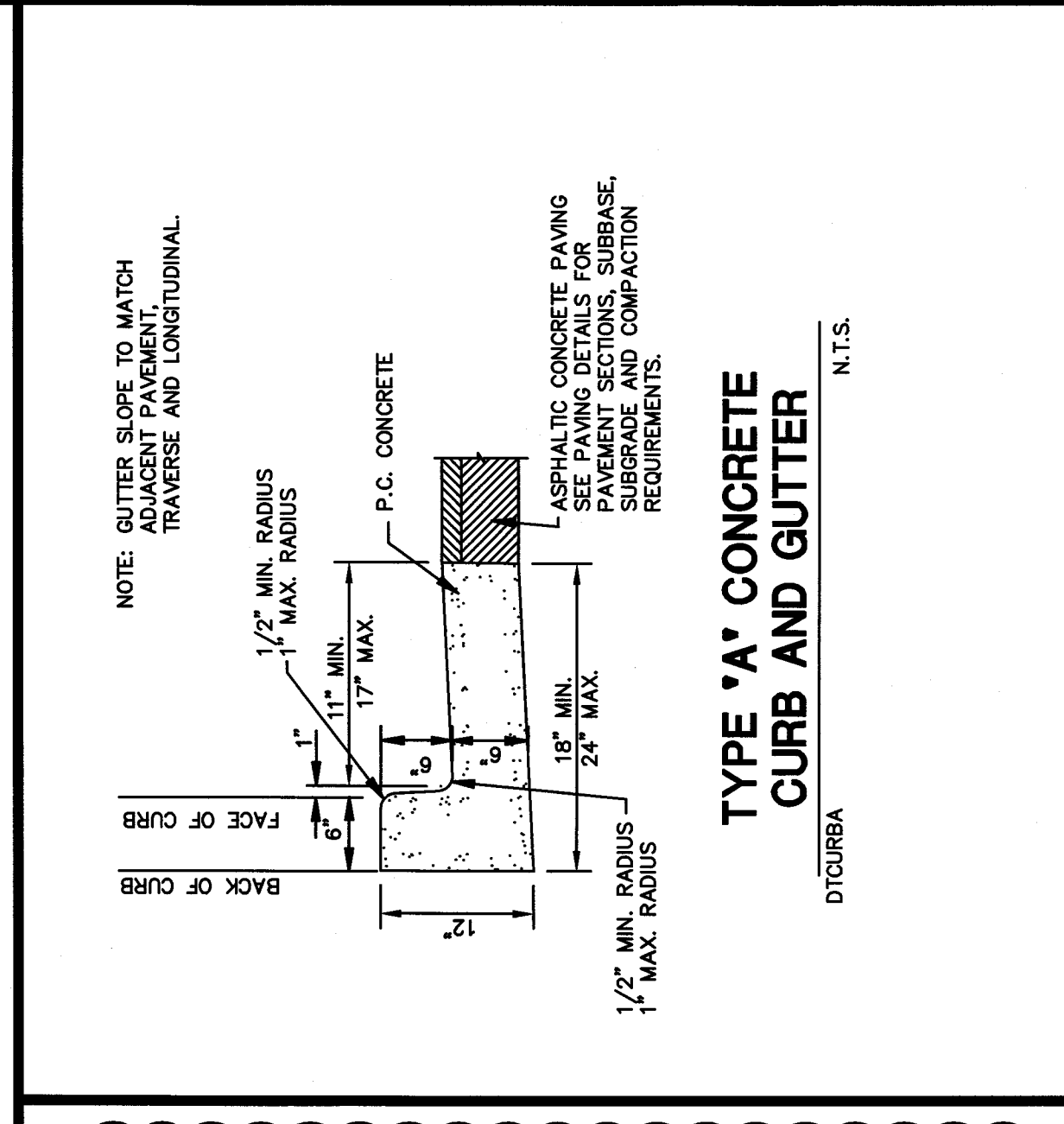
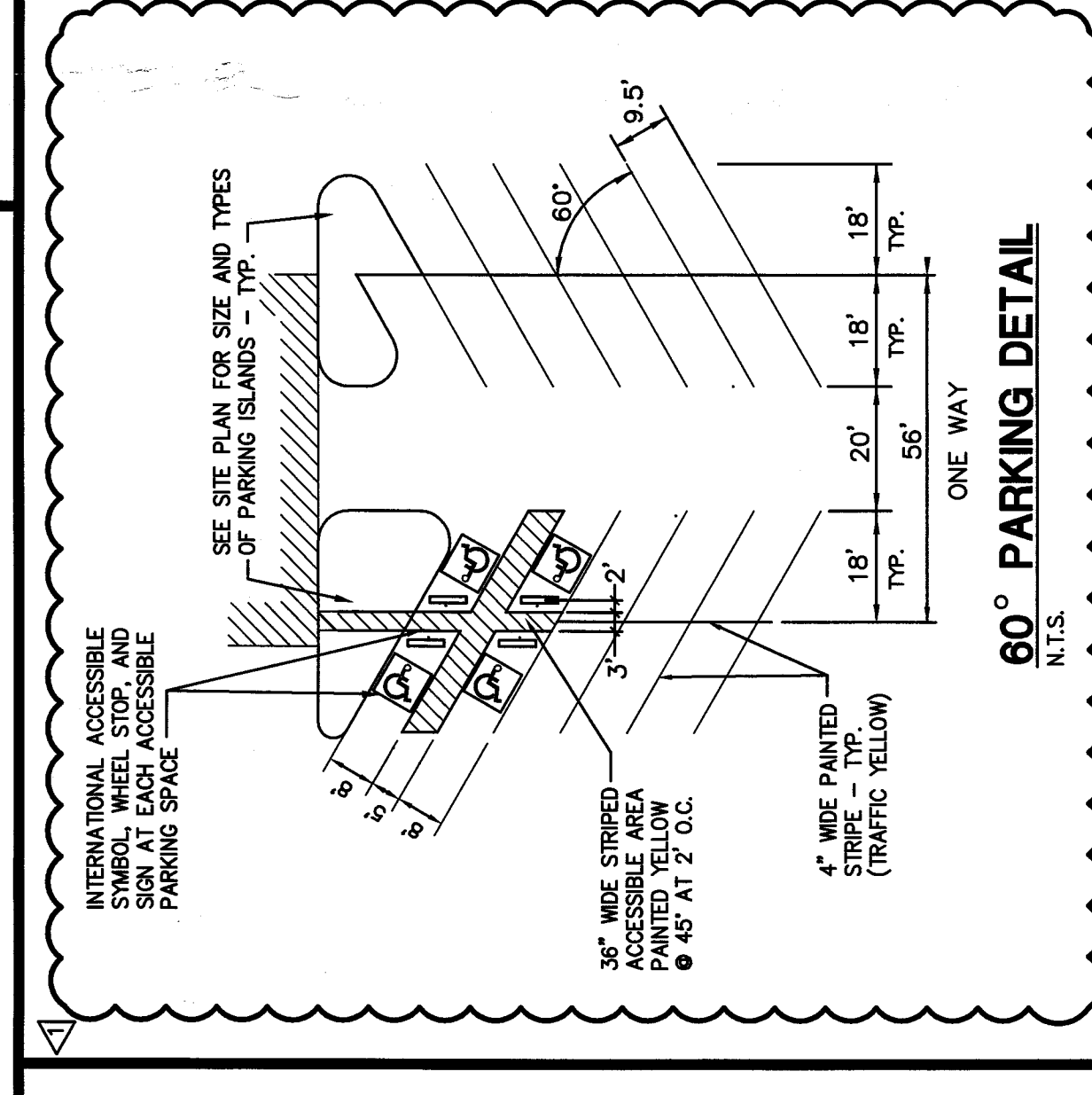
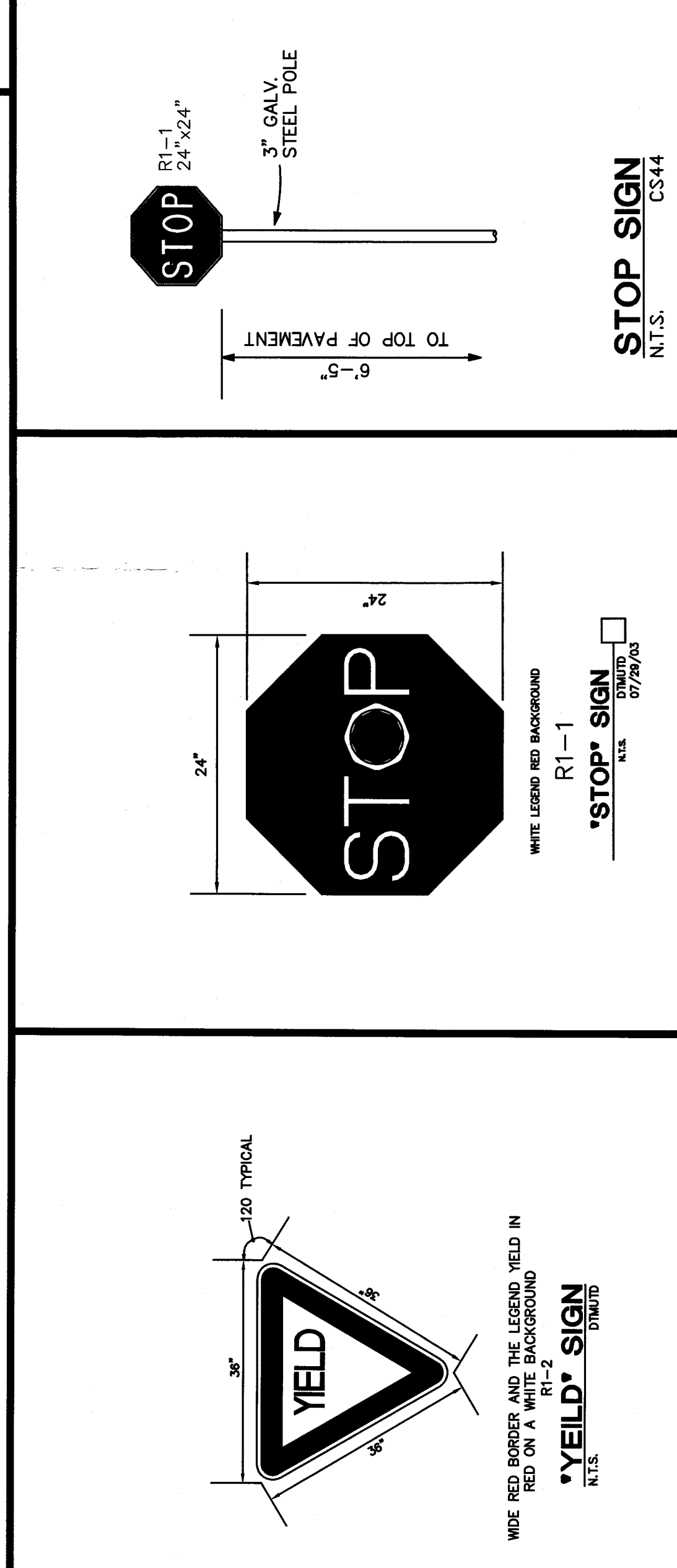
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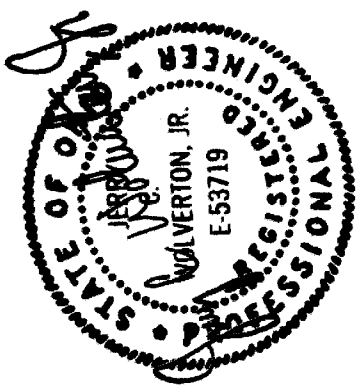
SCALE: 1"= 20' HORIZONTAL
1"= 2' VERTICAL



STR. #6 THRU STR. #9

SCALE: 1"= 20' HORIZONTAL
1"= 2' VERTICAL



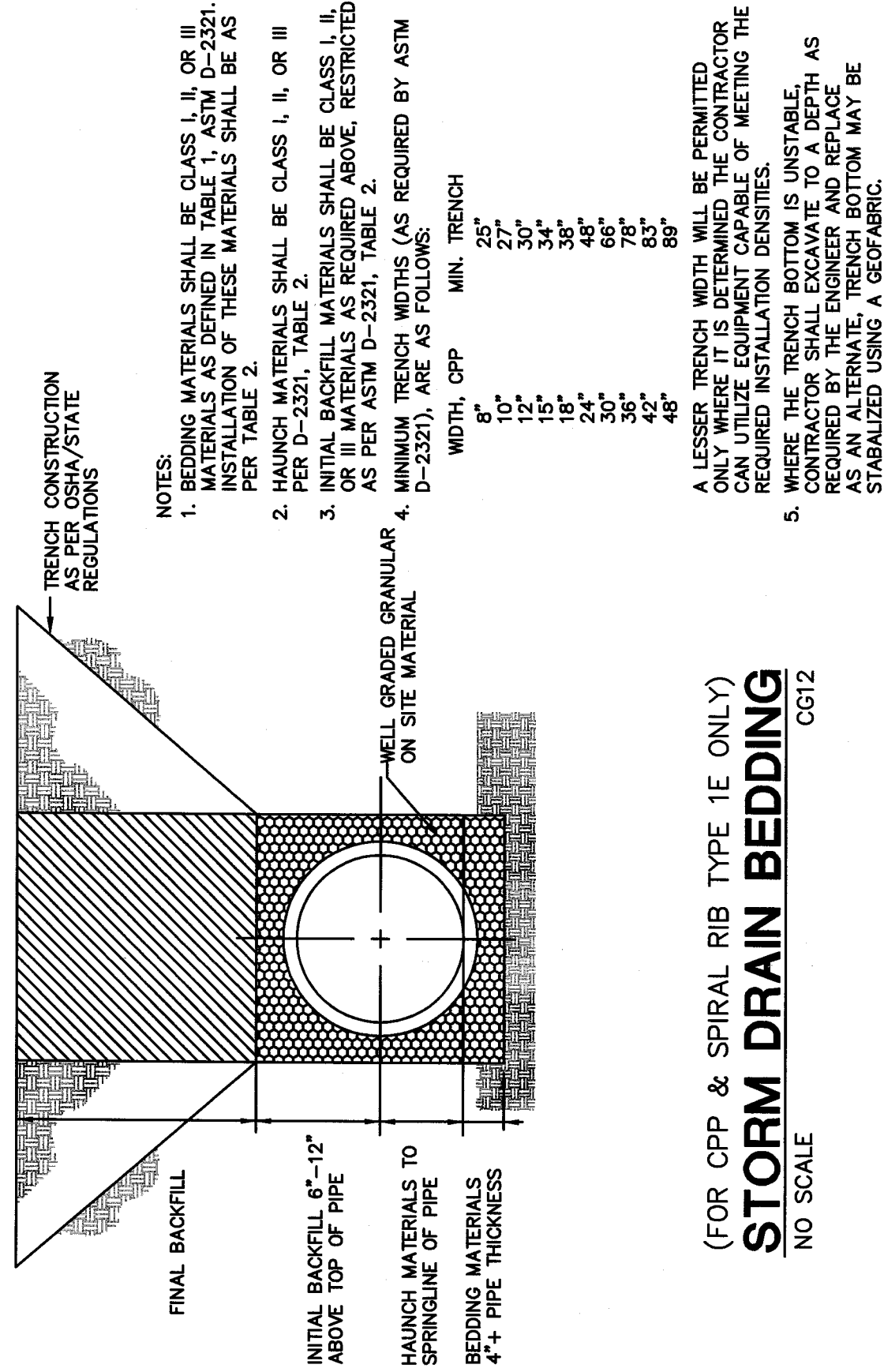


7/22/05

PROPOSED RETAIL SHOPS
OUTLOT #10 MASSILLON MARKET PLACE
2 MASSILLON MARKETPLACE BLVD.
MASSILLON, OHIO

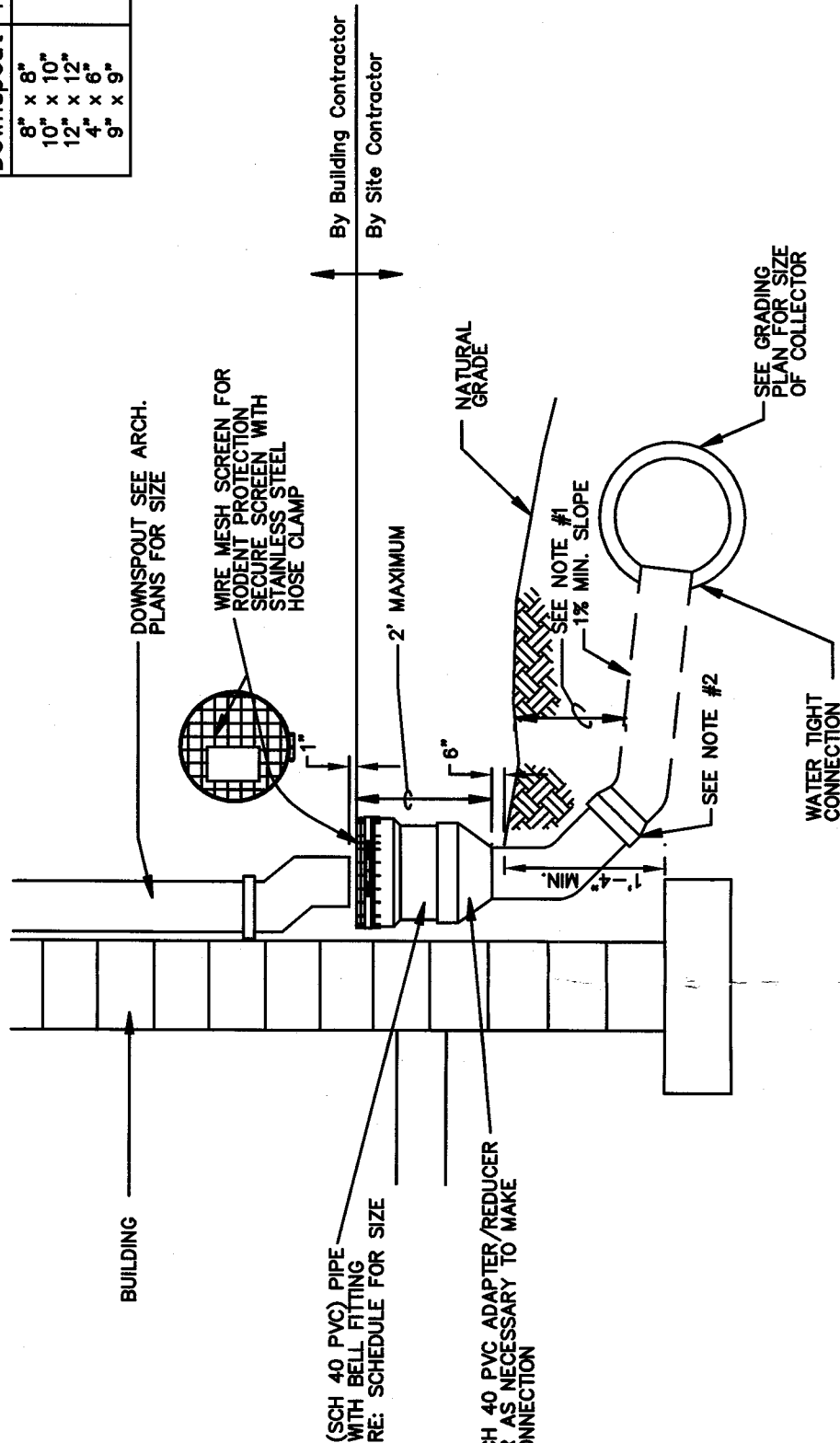
[illegible]

**EXTERIOR
DOWNSPOUT COLLECTOR**
N.T.S. DTDOWNEX.DXF



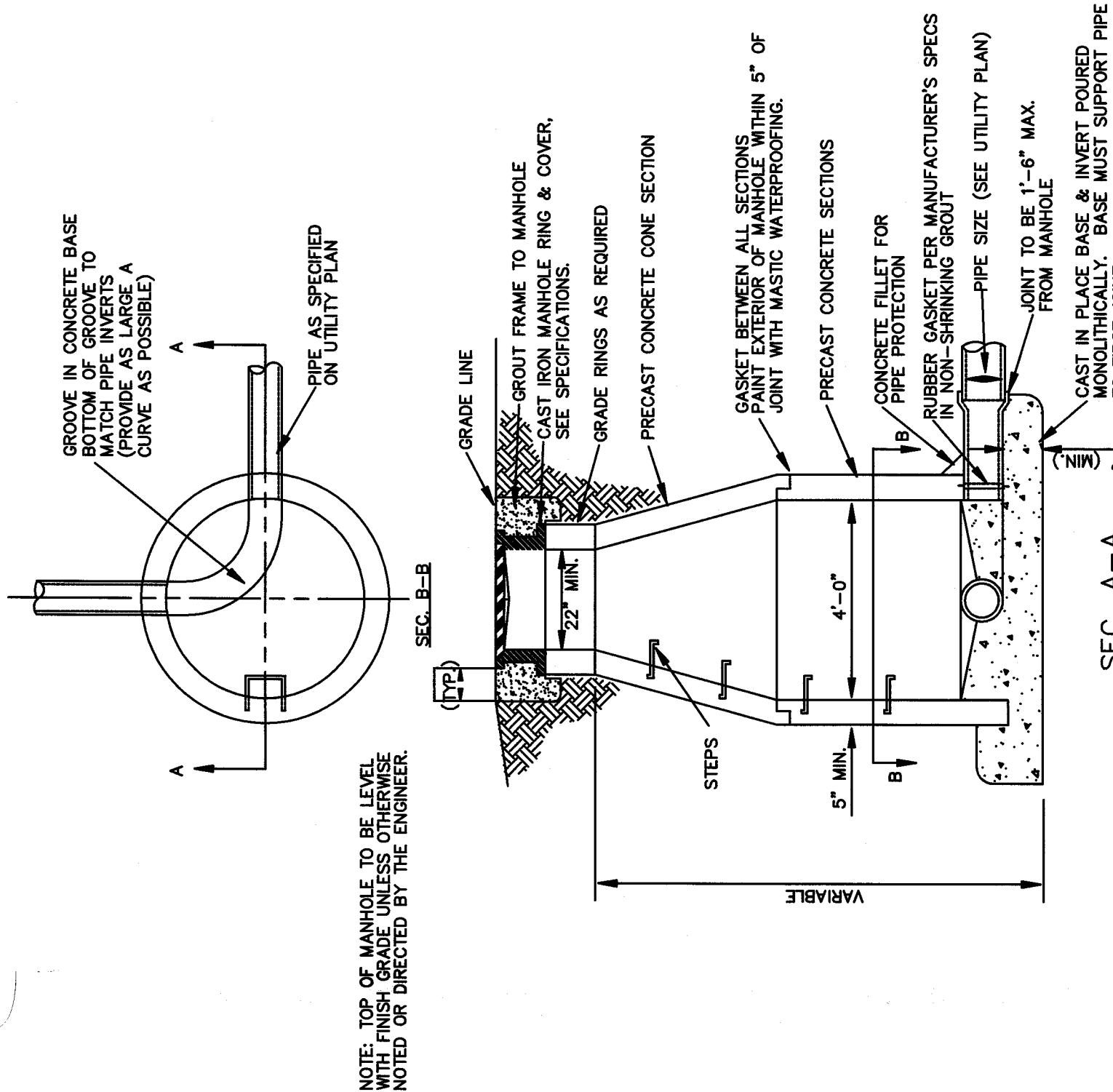
(FOR CPP & SPIRAL RIB TYPE 1E ONLY)
STORM DRAIN BEDDING
NO SCALE CG12

Schedule	
Downspout	PVC Pipe
8" x 8"	12" Dia.
10" x 10"	15" Dia.
12" x 12"	18" Dia.
4" x 6"	12" Dia.
9" x 9"	15" Dia.

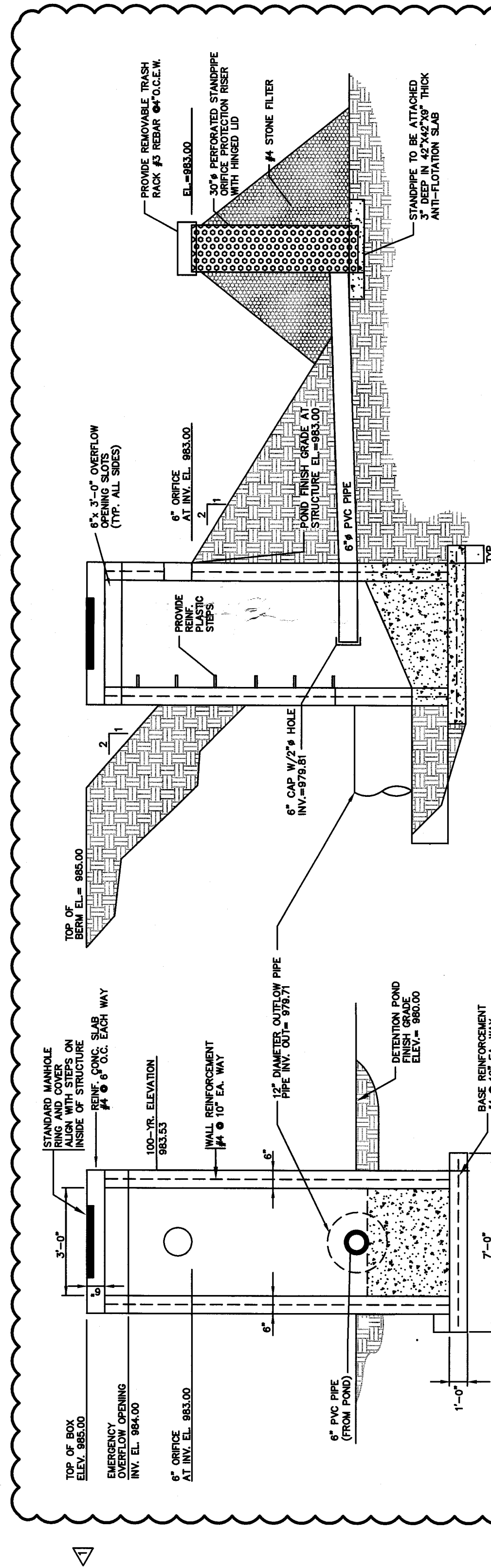


- 2) FOR ALL DEPTHS OF COVER LESS THAN TWO (2) FEET, PIPE MUST BE SCHEDULE 40 PVC. FOR DEPTHS OF COVER GREATER THAN TWO (2) FEET, FLEXIBLE PIPE MAY BE USED. REFER TO SPECIFICATIONS FOR ALLOWABLE PIPE TYPES.
- 3) WATERFIGHT CONNECTION SHALL BE MAINTAINED WITH ANY TRANSITION FROM SCHEDULE 40 PVC TO 12 OR OTHER PIPE TYPE.
- 4) THE DOWNPOUT COLLECTOR DRAIN SHALL BE INSTALLED BEFORE THE DOWNPOUTS ARE CONCRETE. THE DOWNPOUTS SHALL BE INSTALLED WITH THE DOWNPOUTS AND ALL WORK TO INCLUDING THE ROBERT SCREED. BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONNECTION AT THE POINT OF THE ROBERT SCREED.
- 5) INSTALL PIPES CLEAR OF FENCES, BOLLARDS, AND OTHER BUILDING APPOINTANCES.

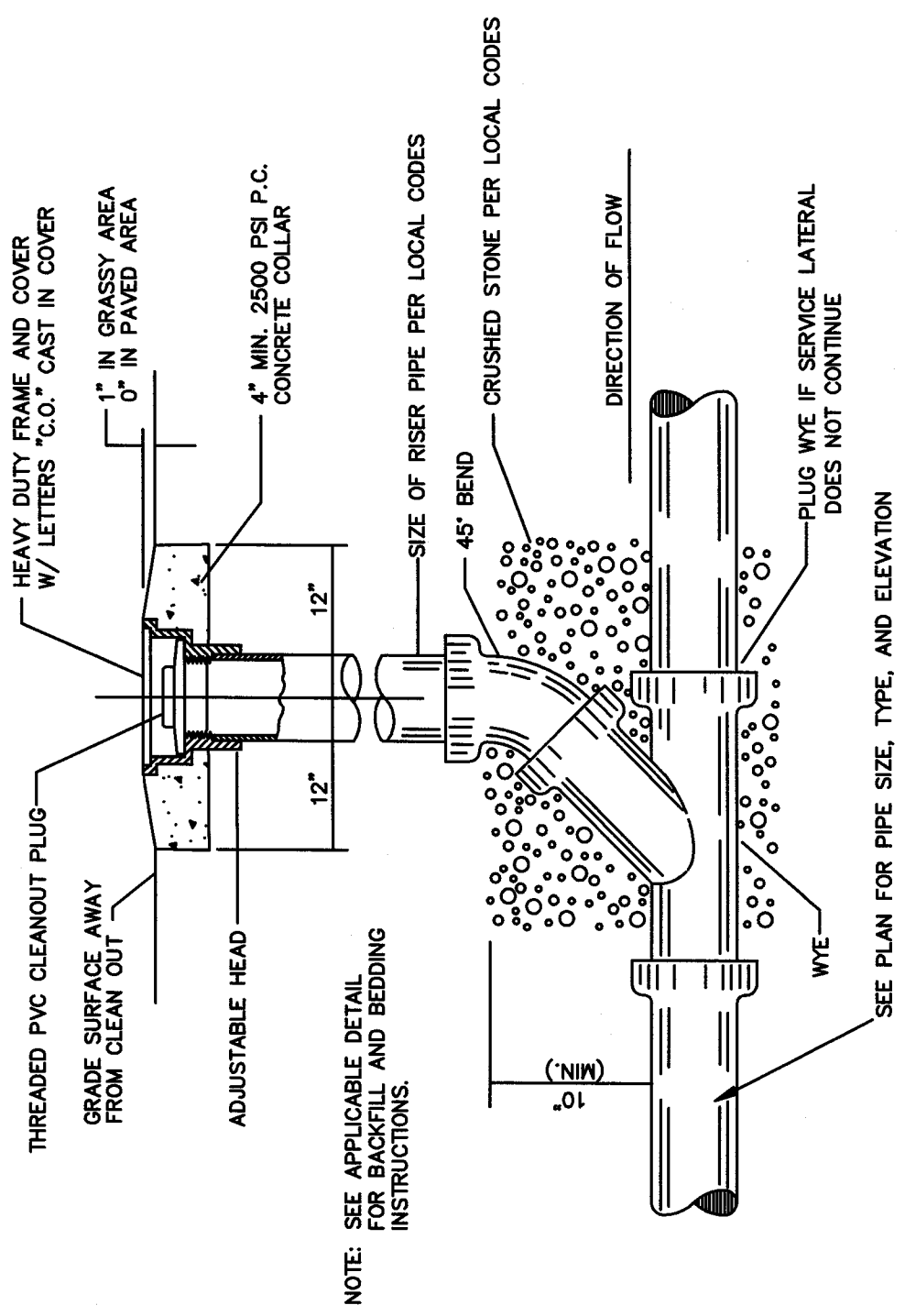
**PRE-CAST
SANITARY SEWER MANHOLE**



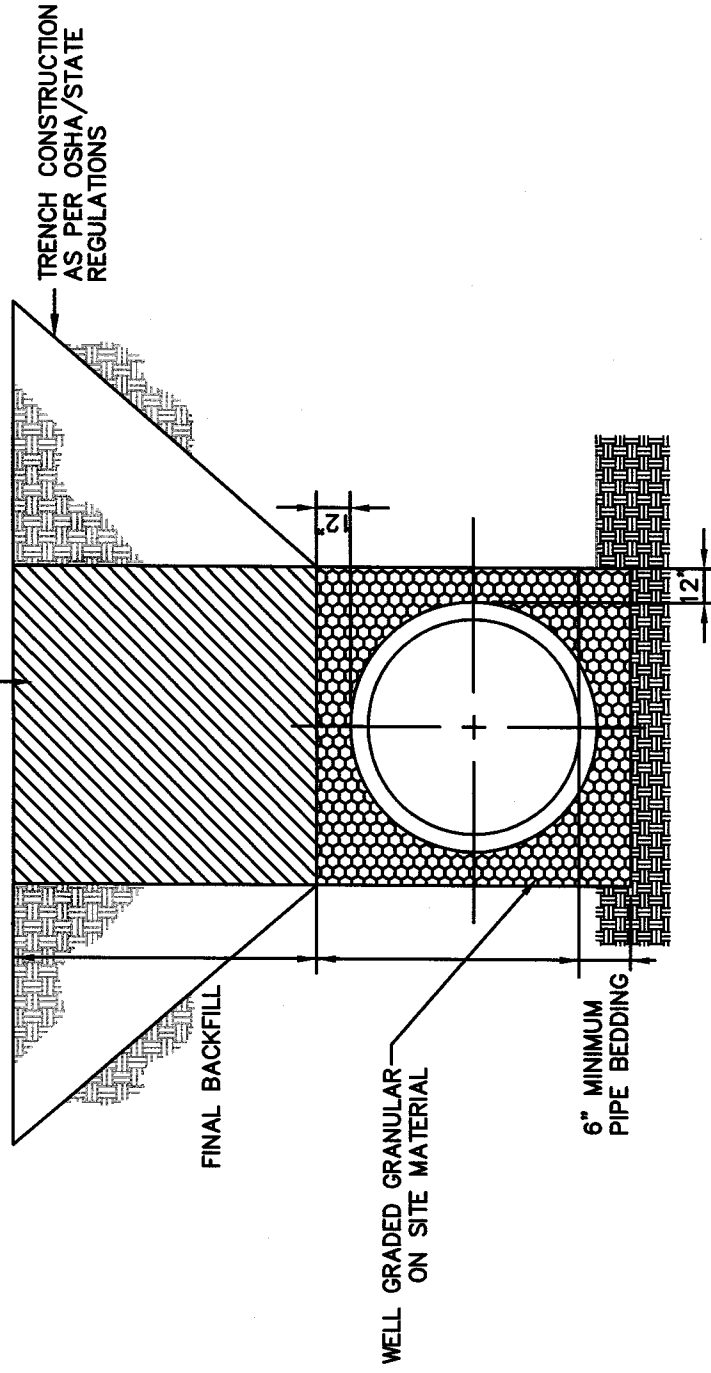
ELEVATION



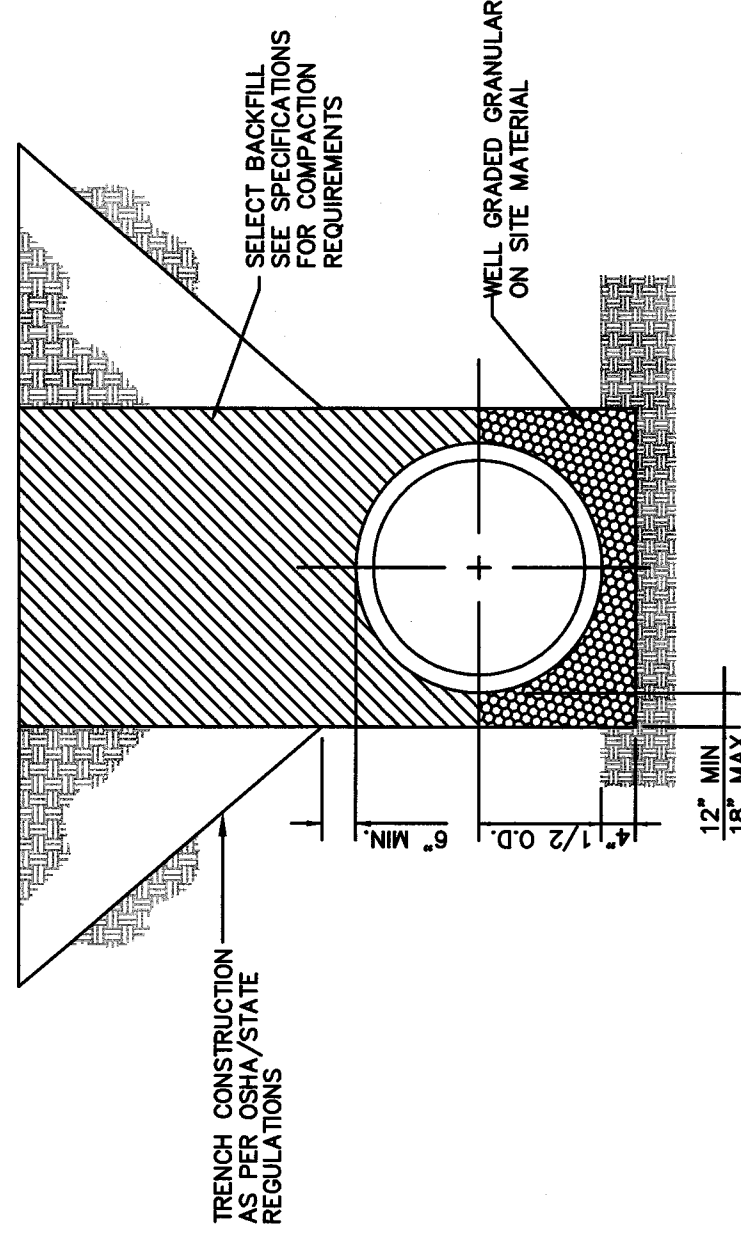
SANITARY SEWER CLEAN-OUT



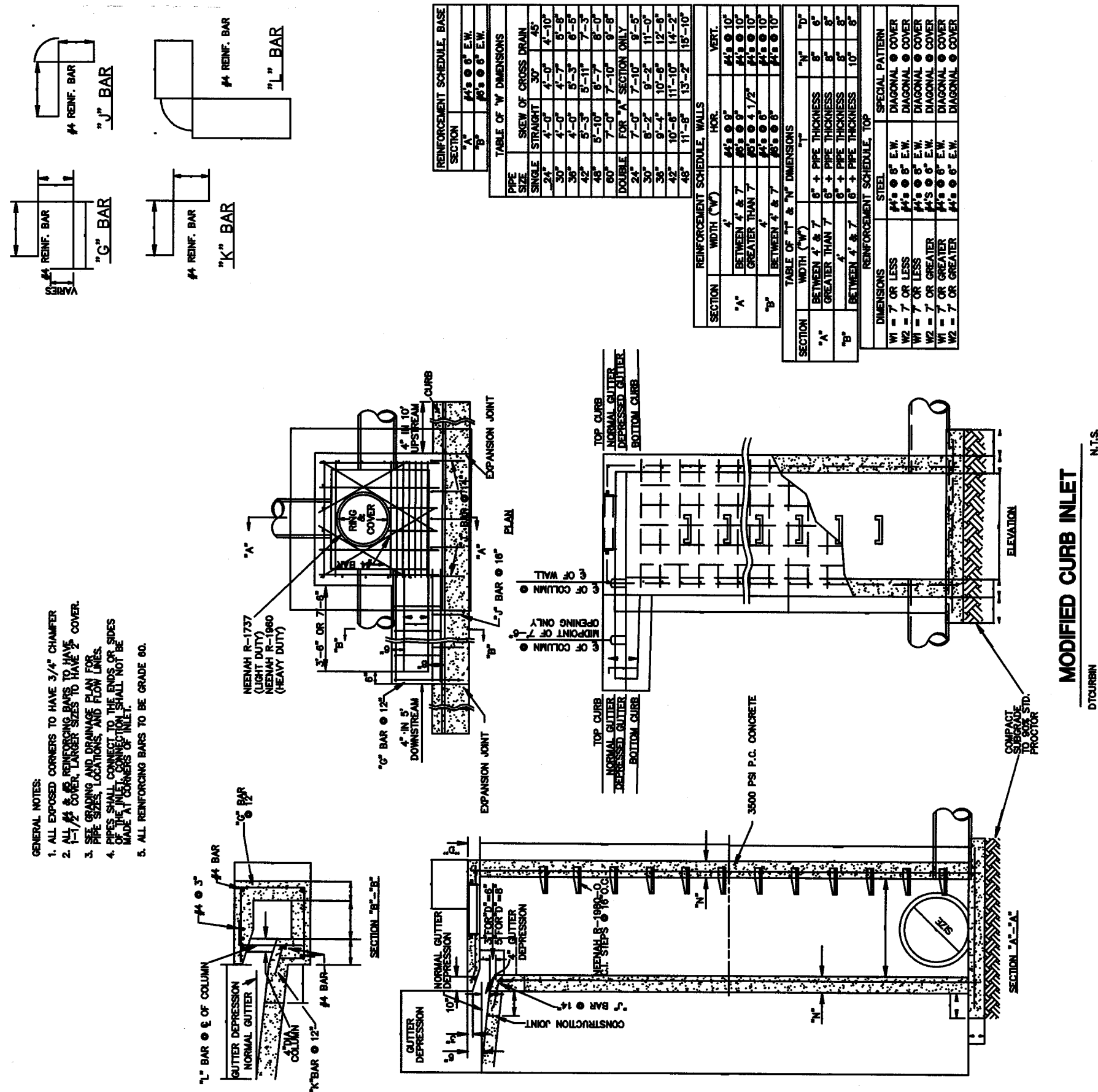
SANITARY SEWER BEDDING



(FOR RCP & STANDARD CMP ONLY)
STORM DRAIN BEDDING



WATERLINE BEDDING DETAIL



THRUST BLOCK DETAILS

90° ELBOW NITS		VERTICAL BEND NITS			
PROVIDE MINIMUM BEARING AREA IN S.F. AS FOLLOWS BASED ON 150 PSI TEST PRESSURE AND 2000 PSI SCH. BEARING.					
PIPE SIZE	TEES	11 1/4"	22 1/2"	45°	90°
6"	2.0	0.5	0.8	1.5	3.0
8"	2.0	0.5	0.8	1.5	3.0
10"	3.0	0.8	1.5	2.9	5.3
12"	8.0	1.7	3.3	6.5	12.1
14"	10.0	2.0	4.0	8.0	15.0
16"	15.2	3.0	4.9	11.5	21.4

