


# CASEY'S GENERAL STORE

## CENTRAL AVE. & COUNTY HIGHWAY NO. 23

### LESTER PRAIRIE, MN

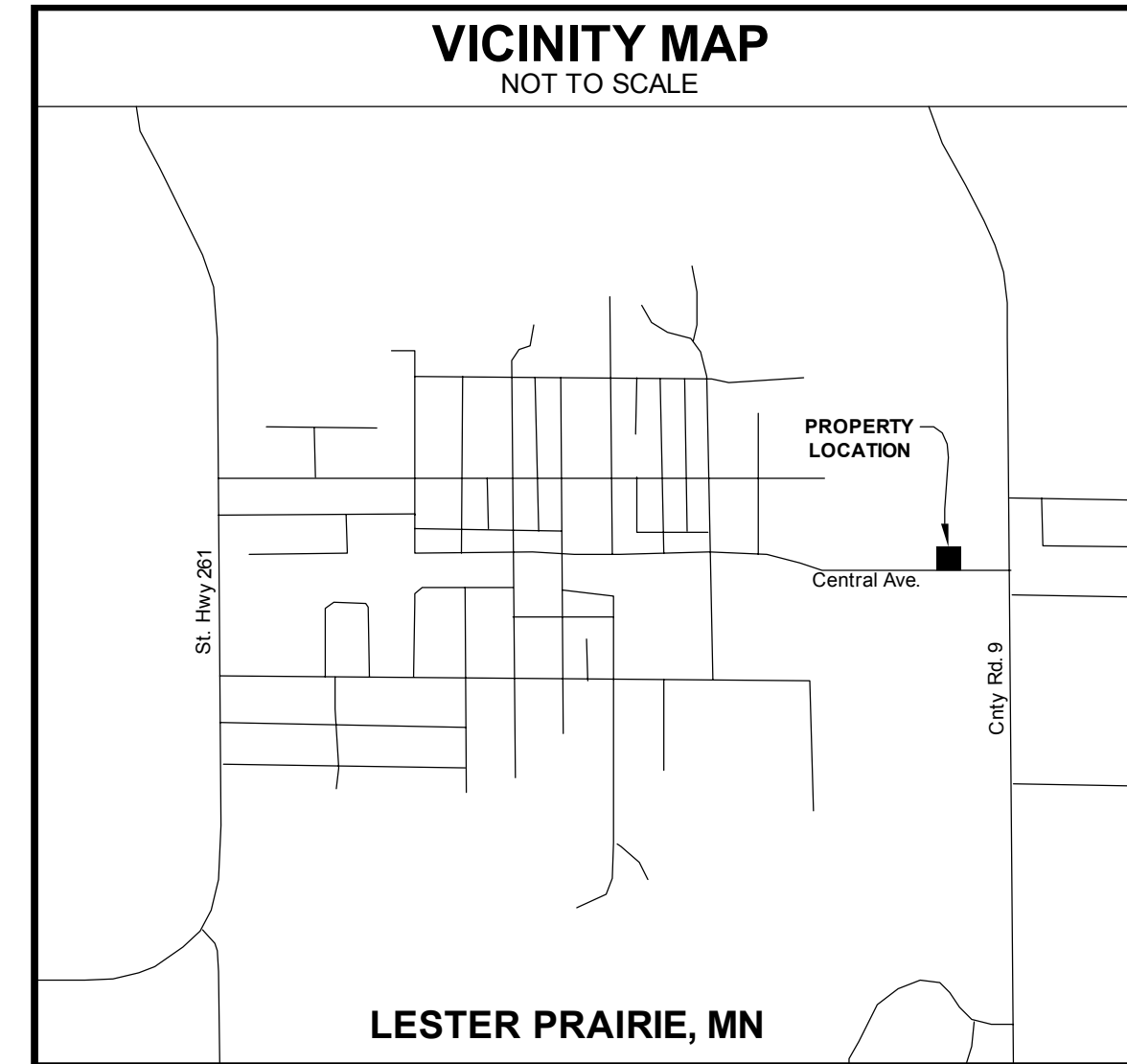


2510 Broadway Street South  
Alexandria, MN 56308  
(320) 762-1290 (Phone)  
(320) 762-8054 (Fax)

3339 W. St. Germain St., Suite 250  
St. Cloud, MN 56301  
(320) 217-5557 (Phone)  
(320) 217-5597 (Fax)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*Jeremy E. Anderson*  
JEREMY E. ANDERSON  
DATE: 06-18-15 LICENSE #: 44223



**OWNER INFORMATION**

**CASEY'S RETAIL COMPANY**  
ONE CONVENIENCE BLVD.  
ANKENY, IOWA 50021

**CONTACT:**  
KATIE DEROUCHÉY  
(515) 963-3829

**INDEX OF SHEETS:**

C0.0	COVER SHEET	03-09-15	<b>REVISED 06-18-15</b>
	ALTA/ ACSM LAND TITLE SURVEY	12-24-14	
AL-101	SITE PLAN	01-26-15	<b>REVISED 06-18-15</b>
C1.0	DETAILS	03-09-15	<b>REVISED 05-26-15</b>
C1.1	DETAILS	03-09-15	<b>REVISED 05-26-15</b>
C1.2	INFILTRATION BASIN DETAIL	03-09-15	<b>REVISED 05-26-15</b>
C1.3	EROSION CONTROL DETAILS	03-09-15	
C2.0	GRADING PLAN	03-09-15	<b>REVISED 06-18-15</b>
C3.0	UTILITY PLAN	03-09-15	<b>REVISED 06-18-15</b>
C3.1	WATERMAIN & SANITARY SEWER PLAN & PROFILE	03-09-15	<b>REVISED 06-18-15</b>
C4.0	EROSION CONTROL PLAN	03-09-15	<b>REVISED 06-18-15</b>

**GENERAL NOTES:**

- ALTA/ACSM LAND TITLE SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, TOPOGRAPHY WITH SPOT ELEVATIONS AND PHYSICAL FEATURES WAS PROVIDED BY:

DESIGN TREE ENGINEERING & LAND SURVEYING  
120 17TH AVE. W.  
ALEXANDRIA, MN 56308

- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION OF THIS PROJECT

**BENCHMARK INFORMATION:**

BENCHMARK #1:RAILROAD SPIKE APPROX. 1' ABOVE GROUND ON THE NORTH SIDE OF POWER POLE LOCATED ON THE SOUTH SIDE OF CENTRAL AVE., WEST OF THE SUBJECT PROPERTY. ELEV:974.68

BENCHMARK #2:RAILROAD SPIKE APPROX. 1' ABOVE GROUND ON THE NORTH SIDE OF POWER POLE LOCATED ON THE SOUTH SIDE OF CENTRAL AVE., SOUTH OF THE SUBJECT PROPERTY. ELEV:975.29

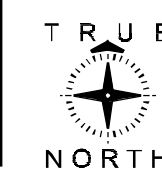

**TRACT 1 (EXISTING PROPERTY):**

Lot 1, Block 1, GLENCOE REGIONAL HEALTH SERVICES 1ST ADDITION, according to the recorded plat, McLeod County, Minnesota.

**TRACT 2 (PROPERTY TO BE ACQUIRED):**

That part of Lot 1, Block 1, GLENCOE REGIONAL HEALTH SERVICES ADDITION, according to the recorded plat thereof, McLeod County, Minnesota, described as follows:

Beginning at the northwest corner of Lot 1, Block 1, GLENCOE REGIONAL HEALTH SERVICES 1ST ADDITION, according to the recorded plat thereof, said McLeod County; thence North 01 degrees 02 minutes 13 seconds West, assumed bearing along the west line of said Lot 1, GLENCOE REGIONAL HEALTH SERVICES ADDITION, a distance of 36.00 feet; thence South 89 degrees 58 minutes 13 seconds East, parallel with the north line of said Lot 1, GLENCOE REGIONAL HEALTH SERVICES 1ST ADDITION a distance of 210.00 feet; thence South 01 degrees 02 minutes 13 seconds East, parallel with the west line of said Lot 1, GLENCOE REGIONAL HEALTH SERVICES ADDITION, a distance of 36.00 feet to the northeast corner of said Lot 1, GLENCOE REGIONAL HEALTH SERVICES 1ST ADDITION; thence North 89 degrees 58 minutes 13 seconds West, along the north line of said Lot 1, GLENCOE REGIONAL HEALTH SERVICES 1ST ADDITION, a distance of 210.00 feet to the point of beginning.

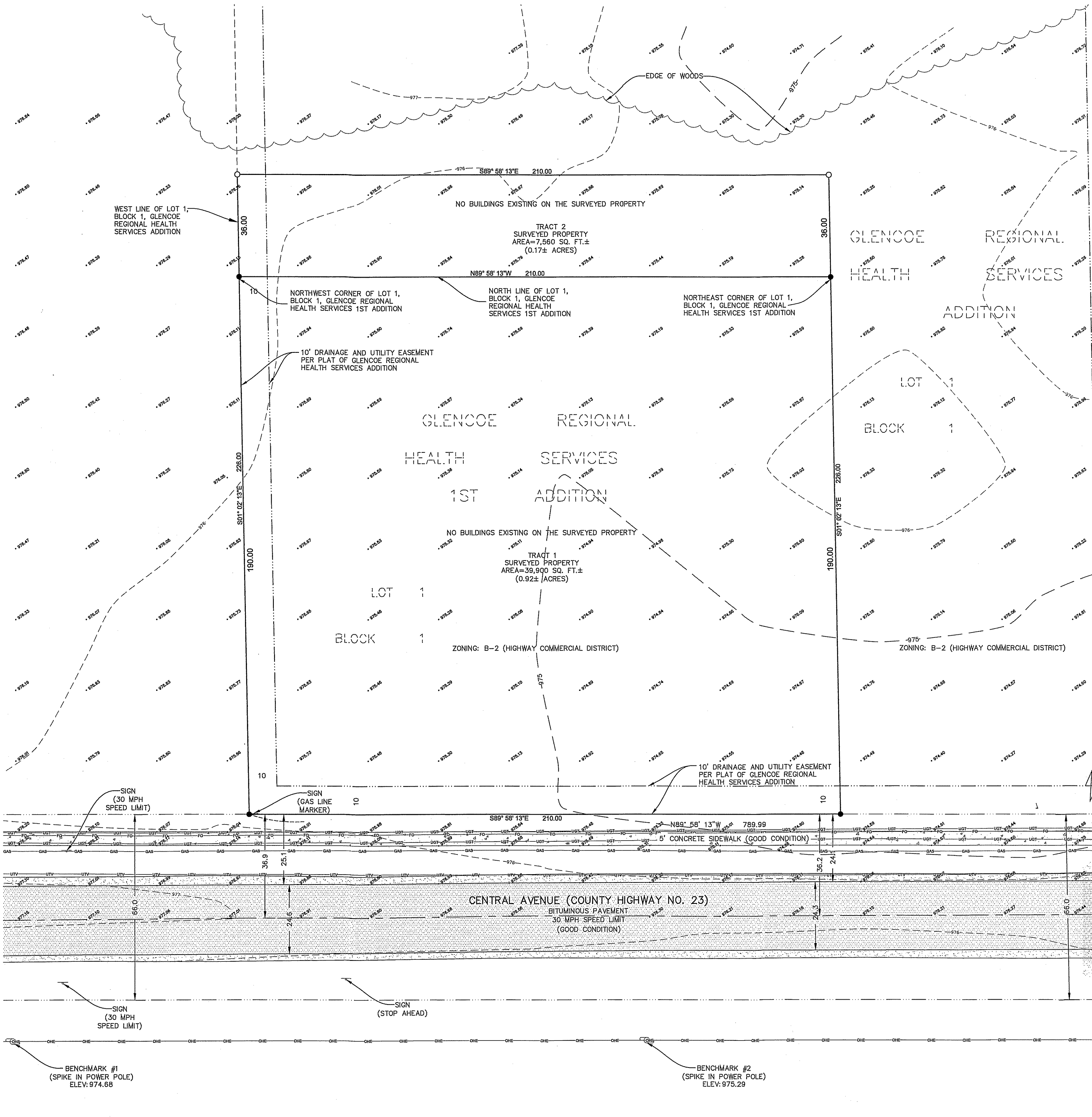



CASEY'S CONSTRUCTION DIVISION  
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT	PURPOSE	DRAWING INFORMATION
LESTER PRAIRIE, MN	03-09-15	COVER SHEET
"P" STYLE STORE - HIP ROOF	05-26-15	
	06-18-15	
DRAWING OR CREATOR		
CONSTRUCTION DIVISION		
DRAWN BY: RJK	CHECKED BY: JEA	C0.0

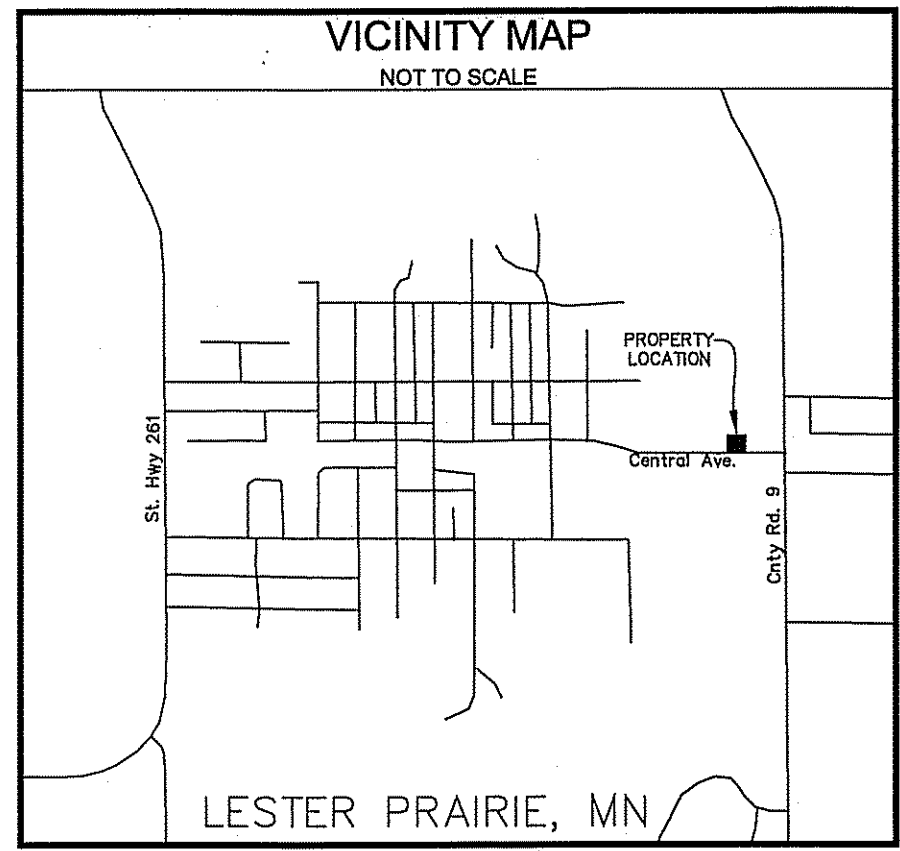


# ALTA/ACSM LAND TITLE SURVEY



### LEGEND

- HYDRANT
- ⊗ SANITARY MANHOLE
- ⊕ GATE VALVE
- ⊙ POWER POLE
- ⊚ LIGHT POLE
- ⊛ CATCH BASIN
- ⊜ SIGN
- ⊝ DECIDUOUS TREE
- ⊞ CONIFEROUS TREE
- ⊟ SHRUB
- ⊠ PEDESTAL
- ⊡ GUY WIRE
- ⊢ BOLLARD
- ⊣ POWER BOX
- ⊤ FENCE
- ⊥ STORM SEWER LINE
- ⊦ SANITARY SEWER LINE
- ⊧ WATERMAIN
- ⊨ OVERHEAD ELECTRIC
- ⊩ UNDERGROUND TELEPHONE
- ⊪ UNDERGROUND FIBER
- ⊫ UNDERGROUND TELEVISION
- ⊬ UNDERGROUND GAS LINE
- ⊭ CONCRETE PAVEMENT
- ⊮ BITUMINOUS PAVEMENT
- ⊯ BUILDING



### BENCHMARK INFORMATION:

BENCHMARK #1: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., West of the subject property. Elev: 974.68

BENCHMARK #2: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., South of the subject property. Elev: 975.29

### ZONING INFORMATION

CURRENT ZONING	B-2	STATUS	
CURRENT USE	VACANT PROPERTY	SOURCE INFORMATION	CITY OF LESTER PRAIRIE
ITEM	REQUIRED	OBSERVED	ADDRESS: CITY HALL 37 JUNIPER STREET N. LESTER PRAIRIE, MN 55354
MINIMUM LOT AREA	5,000 SQ. FT.	47,460 SQ. FT.	
R.O.W. FRONTAGE	50 FT.	210 FT.	CONTACT PERSON: MARILYN PAWEK
MINIMUM LOT WIDTH	0 FT.	210 FT.	TITLE: CITY CLERK
MAX. FLOOR AREA RATIO	---	---	PHONE NUMBER: 320-395-2646
MIN. SETBACK-FRONT	45 FT.	---	EMAIL: marilyn@lesterprairie.mn.us
MIN. SETBACK-SIDE	20 FT.	---	NOTES: One (1) for each employee, plus one (1) for the owner and/or management, plus two (2) for each grease rack, service stall, or wash rack
MIN. SETBACK-REAR	30 FT.	---	The site needs to be re-zoned to B-1. There are no setbacks for B-1.
MIN. SETBACK-PUMPS	---	---	
MIN. SETBACK-FUEL TANKS	---	---	
MAX. BLDG. HEIGHT	35 FT.	---	
REQUIRED PARKING	SEE NOTES	---	

### SURVEYOR'S NOTES:

- The locations of the existing utilities shown hereon are approximate. They have been plotted from available surveys and/or records. Location and sizes of underground utilities may vary from locations shown. The contractor is responsible to ensure that any existing utilities (shown or not shown) are not damaged during construction. Gopher State One Ticket # 130670144. Gopher State One Call: 1-800-252-1166.
- The subject property is located in Flood Zone X (Areas determined to be outside the 500 year flood plain), according to Flood Insurance Rate Map Community Panel No: 270816 0050 C, published by the Federal Emergency Management Agency, effective date of August 18, 1992.
- Elevations are based on NAVD 88.
- First American Title Commitment Number 13-6088 Schedule B, Section II Exceptions: Item 12: As shown on ALTA/ACSM Survey Item 13: This easement does not affect the subject property. It is approximately 2000 feet north of the subject property.
- Water and sanitary sewer mains are located approximately 700 feet to the east of the subject property.
- The property to the west and south is not located within the city limits of Lester Prairie. They are zoned Agricultural.
- A well is located 230 feet west of the subject property.

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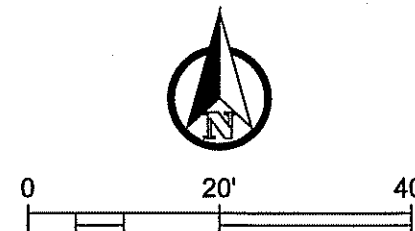
To Cassey's General Store's Inc.

This is to certify this map or plat and the survey on which it is based were made in accordance with the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 7, 8, and 11b of Table A thereof. The field work was completed on March 14, 2013.

Date: December 23, 2014  
 Signature: Jonathan D. Schuette  
 Minnesota License No. 45352

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON AN ASSUMED DATUM.

- (xxx) = DENOTES RECORD
- = DENOTES FOUND IRON MONUMENT
- = DENOTES 1/2 INCH DIAMETER BY 18 INCH LONG IRON PIPE MONUMENT SET AND MARKED RLS# 45352
- x = DENOTES FOUND PK NAIL



NO.	DATE	DESCRIPTION

DATE: 12/23/14  
 SCALE: AS SHOWN  
 DRAWN BY: RJK  
 CHECKED BY: JDS  
 PROJECT NO. 01713008

I HEREBY CERTIFY THAT THIS SURVEY, PLAN, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

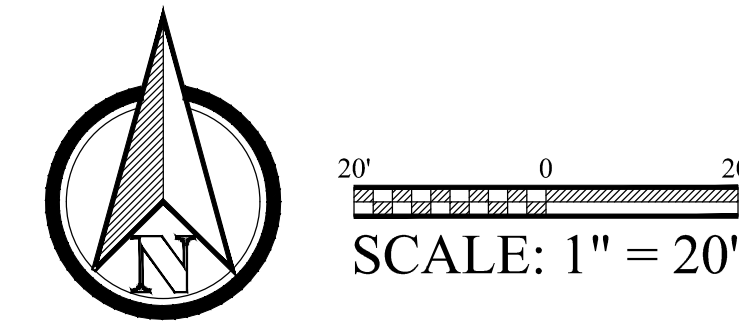
Jonathan D. Schuette 45352 DATE: \_\_\_\_\_

**Design Tree Engineering Inc.**  
 120 17th Avenue West  
 Alexandria, MN 56308  
 (320) 762-1290  
 (320) 217-5597 fax

PREPARED FOR:  
 Cassey's General Stores  
 Lester Prairie, MN

**Design Tree**  
 ENGINEERING AND LAND SURVEYING

120 17th Avenue W. 3339 W. St. Germain, Suite 250  
 Alexandria, MN 56308 St. Cloud, MN 56301  
 (320) 762-1290 (320) 217-5597 (Phone)  
 (320) 217-5597 (Fax)



## General Construction Notes

- 2 - 20,000 GALLON CONTAINMENT SOLUTION TANKS (ONE TANK IS SPLIT)  
TANK 1-20,000 GALLONS (87E - UNLEADED) 10'-6"x37'-6"  
TANK 2-12,000 GALLONS (D - DIESEL) 10'-6"x23'-8"  
TANK 3-8,000 GALLONS (89E - SUPER UNLEADED) 10'-6"x14'-6"
- 4 DISPENSERS: GILBARCO 700 S  
2=3+0 4 METERS & 1 NOZZLES EACH (2 PRODUCT)  
2=3+1 6 METERS & 2 NOZZLES EACH (3 PRODUCT)
- TANK SETTING DETAILS SHEET QF-301
- FILL PIPE AND MANHOLE SHEET QF-301
- ISLAND SIZE: 3' X 5' W/DUAL GUARD PIPE
- ISLAND DETAILS SHEET QF-101
- SIGN BASE DETAILS SHEET AL-601
- SIGN DETAILS SHEET AL-601
- DRIVEWAY JOINTS TO BE PACKED & CAULKED
- CONCRETE DRIVE TROWELED WITH LIGHT BROOM FINISH
- CONTROL JOINTS - MIN. 100 sq.ft. - MAX. 125 sq.ft. - 25% DEEP
- CONSTRUCTION JOINTS - PINNED 4" O.C. 12" EACH WAY WITH 1/2" REBAR #4
- APPROACHES TO BE 7" NONREINFORCED OR AS PER STATE/CITY SPEC.
- SLOPE RAMPS FOR BUILDING SIDEWALK 1:20 H.C PARKING 1:50 ALL DIRECTIONS ALL ACCESS ISLE STRIPING AT 45 DEGREE ANGLE BEING MAX. 4' SEPARATION
- VERIFY ALL UTILITY LOCATIONS AND DIMENSIONS.
- SLOPE RAMPS FOR BUILDING SIDEWALK 1:20 H.C PARKING 1:50 ALL DIRECTIONS
- CANOPY FOOTING: SIZE 5'-9" LENGTH X 5'-9" WIDTH X 3'-0" DEPTH. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF FC-3000 p.s.i. @ 28 DAYS (150 p.c.f.) \*SLUMP (MAX). FOOTING DESIGN BASED ON 2,500 p.s.i. CONCRETE REINFORCING: ASTM A-615 GRADE 60, REBAR CAGE: (8) #6 HORIZONTAL TIES LENGTH WISE TOP AND BOTTOM 12" MAXIMUM SPACING.
- ALL FUEL DISPENSERS FALL WITHIN A 100 FOOT RADIUS OF THE EMERGENCY SHUT-OFF SWITCH LOCATED AT SALES COUNTER
- ALL FUEL DISPENSERS FALL WITHIN A 100 FOOT RADIUS OF THE EMERGENCY SHUT-OFF SWITCH LOCATED ON A POST AT THE CURB
- IRRIGATION SYSTEM INSTALLATION REQUIRED FOR ALL SOD/SEED WITHIN PROPERTY

## Site Information

CASEY'S RETAIL COMPANY  
ONE CONVENIENCE BLVD.  
ANKENY, IOWA 50021

CONTACT:  
KATIE DEROUCHERY (515) 963-3829

## Zoned: B-2

### HIGHWAY COMMERCIAL

SETBACKS  
FRONT YARD: 45 FEET  
SIDE YARD: 30 FEET  
REAR YARD: 30 FEET

### PARKING

REQUIRED:  
1 SPACE FOR EACH 100 FT<sup>2</sup> OF FLOOR AREA  
3,044 / 100 = 30.44  
30 PARKING SPACES REQUIRED

PROVIDED:  
14 MARKED SPACES  
08 UNMARKED SPACES  
22 SPACES PROVIDED

## Contact Information

**CITY OF LESTER PRAIRIE**  
37 JUNIPER ST. N.  
LESTER PRAIRIE, MN 55354  
320-395-2646  
CITY CLERK: MARILYN PAWELK  
CITY CLARK EMAIL: MARILYN@LESTERPRAIRIEMN.US

**WATER, SANITARY SEWER, GARBAGE**  
CITY OF LESTER PRAIRIE  
320-395-2646

**ELECTRICITY**  
SCEL ENERGY  
800-495-4999  
WWW.XCELENERGY.COM

**NATURAL GAS**  
CENTER POINT ENERGY  
800-722-9326  
WWW.CENERPOINTENERGY.COM

**TELEPHONE & INTERNET**  
CENTURYLINK  
800-788-3500  
WWW.CENTURYLINK.COM

## Utility Notes

- PROPOSED 1.5" WATER CONNECTION  
- INTO EXTENDED WATER MAIN  
- 1.5" CTS, SDR 9, PE  
- VERIFY EXISTING SERVICE ≥ 1.5"
- PROPOSED 1.5" NATURAL GAS CONNECTION  
- INTO EXISTING NATURAL GAS MAIN  
- 1.5" SCH 40 STEEL  
- VERIFY EXISTING MAIN ≥ 1.5"
- PROPOSED 4" SANITARY SEWER CONNECTION  
- INTO EXTENDED SANITARY SEWER MAIN  
- 4" SCH 40 PVC
- PROPOSED SERVICE ENTRANCE  
- ELECTRICAL 3 PHASE, 800 AMP  
- 120/208 VOLTS - 4 WIRE  
- TELEPHONE: 8 PAIR - 4 LINES

## Legend

— PROPERTY LINE  
- - - ADJOINING PROPERTY LINE  
- - - BUILDING SETBACK LINE  
- - - EASEMENT LINE

## Referenced Sheets

**CIVIL PLANS BY DESIGN TREE ENGINEERING**  
C0.0 COVER SHEET  
ALTA/ACSM LAND TITLE SURVEY  
AL-101 SITE PLAN  
C1.0 DETAILS  
C1.1 DETAILS  
C1.2 INFILTRATION BASIN DETAIL  
C1.3 EROSION CONTROL DETAILS  
C2.0 GRADING PLAN  
C3.0 UTILITY PLAN  
C3.1 WATERMAIN & SANITARY SEWER PLAN & PROFILE  
C4.0 EROSION CONTROL PLAN

**EXTERIOR LIGHTING BY RED LEONARD ASSOCIATES**  
RL-2614-S1 EXTERIOR LIGHTING PLAN

## Keyed Construction Notes

**NOTICE:** ALL WORK IN/ON THE R.O.W. AREA IS SUBJECT TO MCLEOD DEPARTMENT OF TRANSPORTATION AND THE CITY OF LESTER PRAIRIE APPROVAL AND SPECIFICATIONS.

- (A) PROPOSED 20' RADIUS
  - (B) PROPOSED 10' RADIUS
  - (C) PROPOSED 5' RADIUS
  - (D) 2' CONCRETE STUB
  - (E) 2% MAX CROSS SLOPE - SIDEWALK AREA
  - (F) TAPER CURB TO SIDEWALK - DETECTABLE WARNING MAT (ONLY IF REQUIRED)
- ▲ MARKED PARKING SPACES (PAINT LINES AS INDICATED)
  - ▲ GASOLINE PUMP PARKING SPACES (DO NOT PAINT LINES OR OTHERWISE MARK)
  - CONCRETE PAVING OR SIDEWALKS
  - AREA TO BE SODDED OR SEEDED
  - PROPOSED 1,000 GALLON GREASE INTERCEPTOR WITH TWO MANHOLES
  - PROPOSED AREA LIGHT W/ Ø3" SAUNA TUBE (24" ± FROM CURB) REFER TO EXTERIOR LIGHTING PLAN BY RED LEONARD ASSOCIATES

## Legal Description

THE WEST 210.00 FEET OF THE SOUTH 190.00 FEET OF LOT 1, BLOCK 1, GLENCOE REGIONAL HEALTH SERVICES ADDITION, ACCORDING TO THE RECORDED PLAT, MCLEOD COUNTY, MINNESOTA.

THAT PART OF LOT 1, BLOCK 1, GLENCOE REGIONAL HEALTH SERVICES ADDITION, ACCORDING TO THE RECORDED PLAT THEREOF, MCLEOD COUNTY, MINNESOTA, DESCRIBED AS FOLLOWS:  
BEGINNING AT THE NORTHWEST CORNER OF LOT 1, BLOCK 1, GLENCOE REGIONAL HEALTH SERVICES 1ST ADDITION, ACCORDING TO THE RECORDED PLAT THEREOF, SAID MCLEOD COUNTY; THENCE NORTH 01 DEGREES 02 MINUTES 13 SECONDS WEST, ASSUMED BEARING ALONG THE WEST LINE OF SAID LOT 1, GLENCOE REGIONAL HEALTH SERVICES ADDITION, A DISTANCE OF 36.00 FEET; THENCE SOUTH 89 DEGREES 58 MINUTES 13 SECONDS EAST, PARALLEL WITH THE NORTH LINE OF SAID LOT 1, GLENCOE REGIONAL HEALTH SERVICES 1ST ADDITION A DISTANCE OF 210.00 FEET; THENCE SOUTH 01 DEGREES 02 MINUTES 13 SECONDS EAST, PARALLEL WITH THE WEST LINE OF SAID LOT 1, GLENCOE REGIONAL HEALTH SERVICES ADDITION, A DISTANCE OF 36.00 FEET TO THE NORTHEAST CORNER OF SAID LOT 1, GLENCOE REGIONAL HEALTH SERVICES 1ST ADDITION; THENCE NORTH 89 DEGREES 58 MINUTES 13 SECONDS WEST, ALONG THE NORTH LINE OF SAID LOT 1, GLENCOE REGIONAL HEALTH SERVICES 1ST ADDITION, A DISTANCE OF 210.00 FEET TO THE POINT OF BEGINNING.

**HORN/STROBE REQUIRED IN MANAGER'S OFFICE, TO BE CONNECTED TO ANSUL SYSTEM**

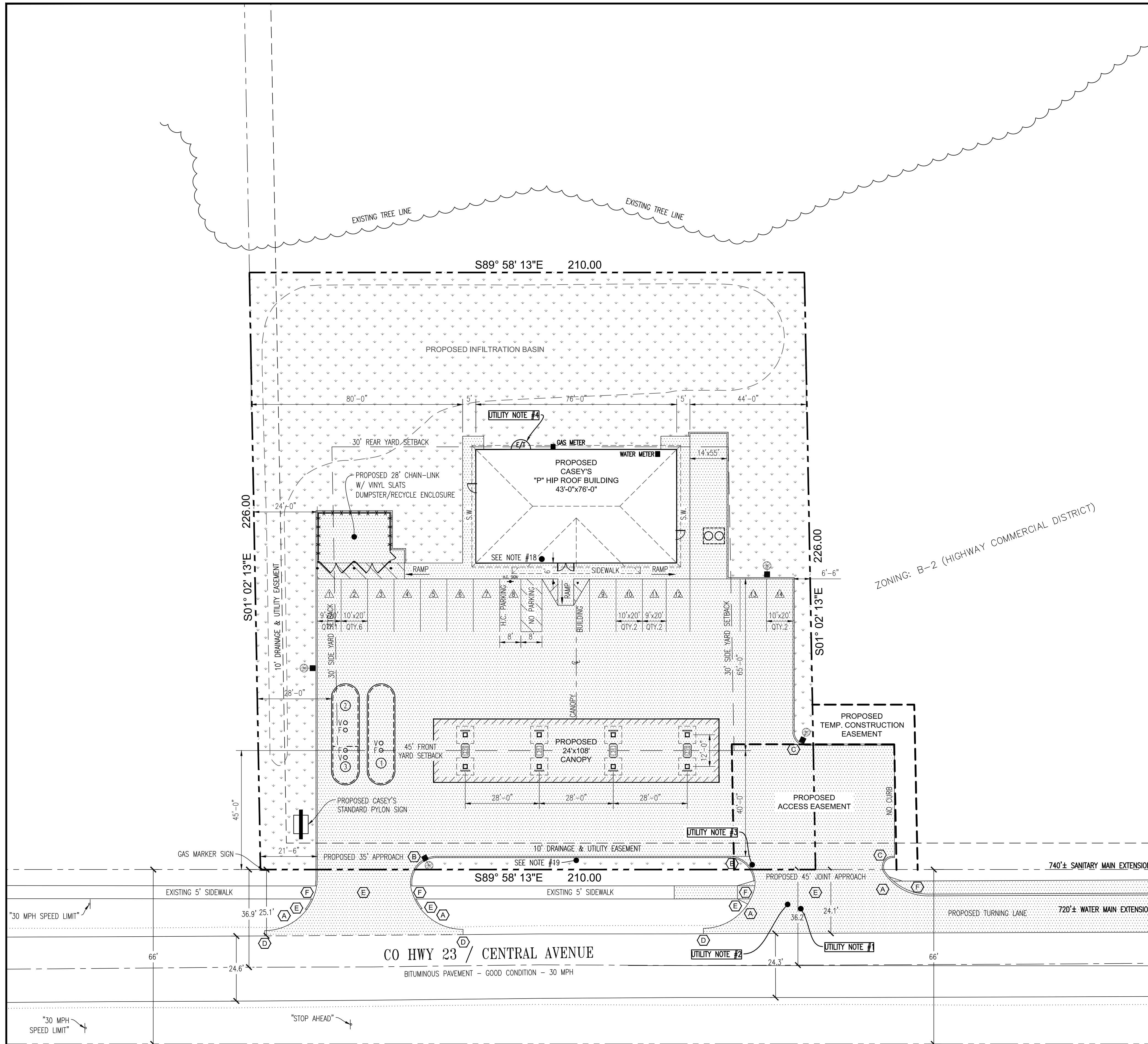
**3' BRICK W/ HARDI-BOARD - 4 SIDES**

<b>CASEY'S Construction</b>		<b>SITE PLAN</b>
CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100		
PROJECT:	LESTER PRAIRIE, MN	DATE: 04-17-13
REVISION:	"P" STYLE STORE - HIP ROOF	REVISED BY: 08-05-13
DATE:	01-16-15	01-26-15
DESIGNED BY:	JACOB CLARK	CHECKED BY: 04-08-15
DATE:	05-26-15	06-18-15

## U.G.S.T. Notes

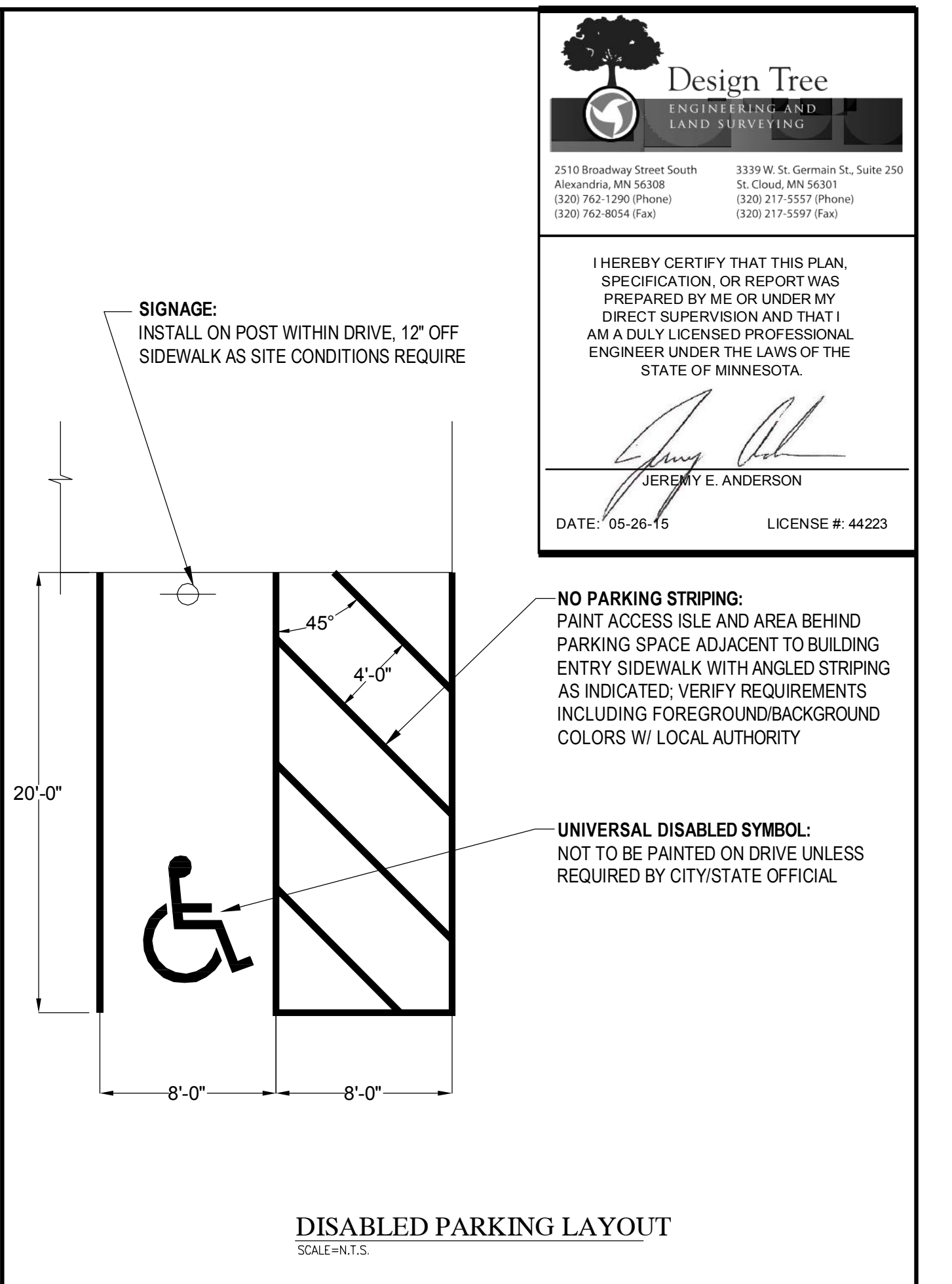
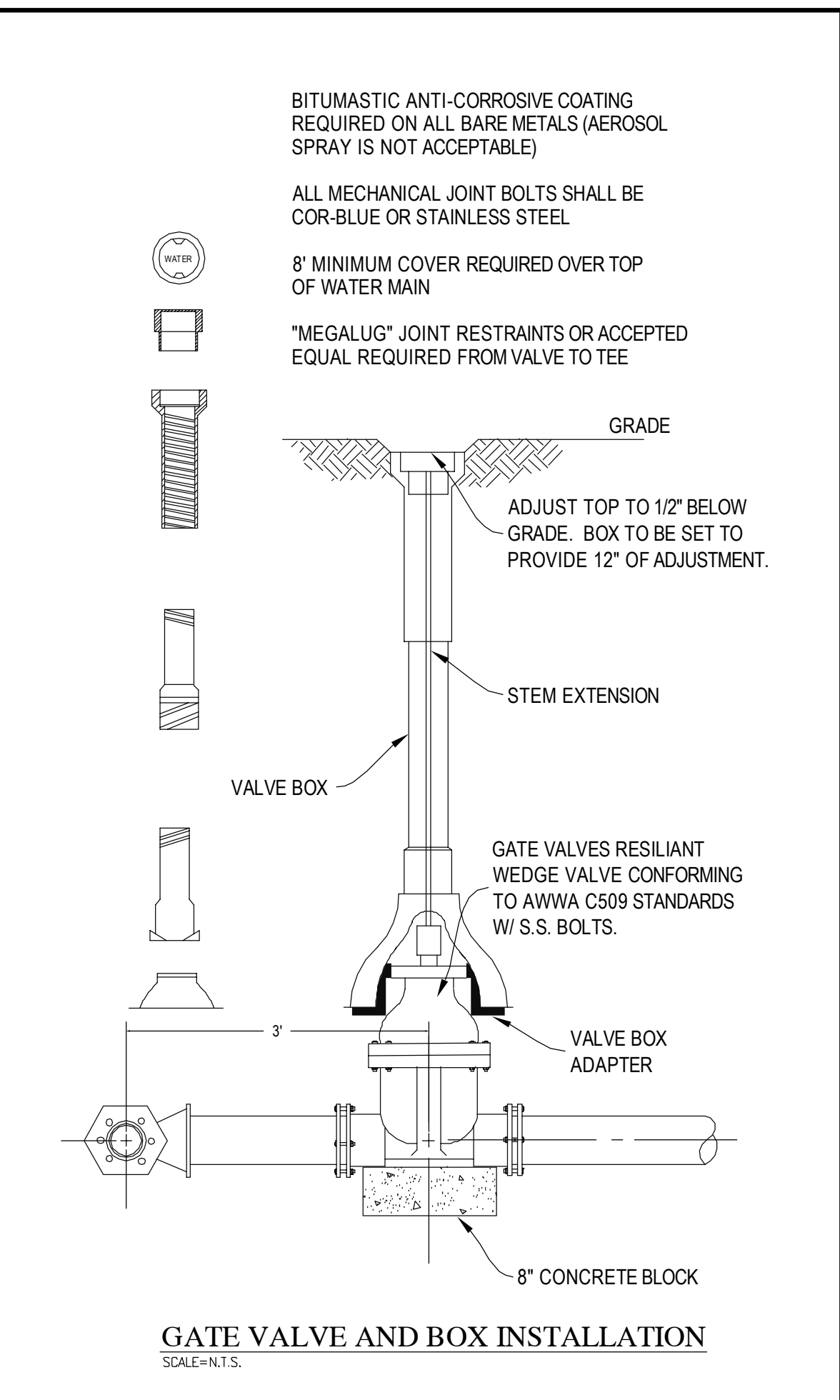
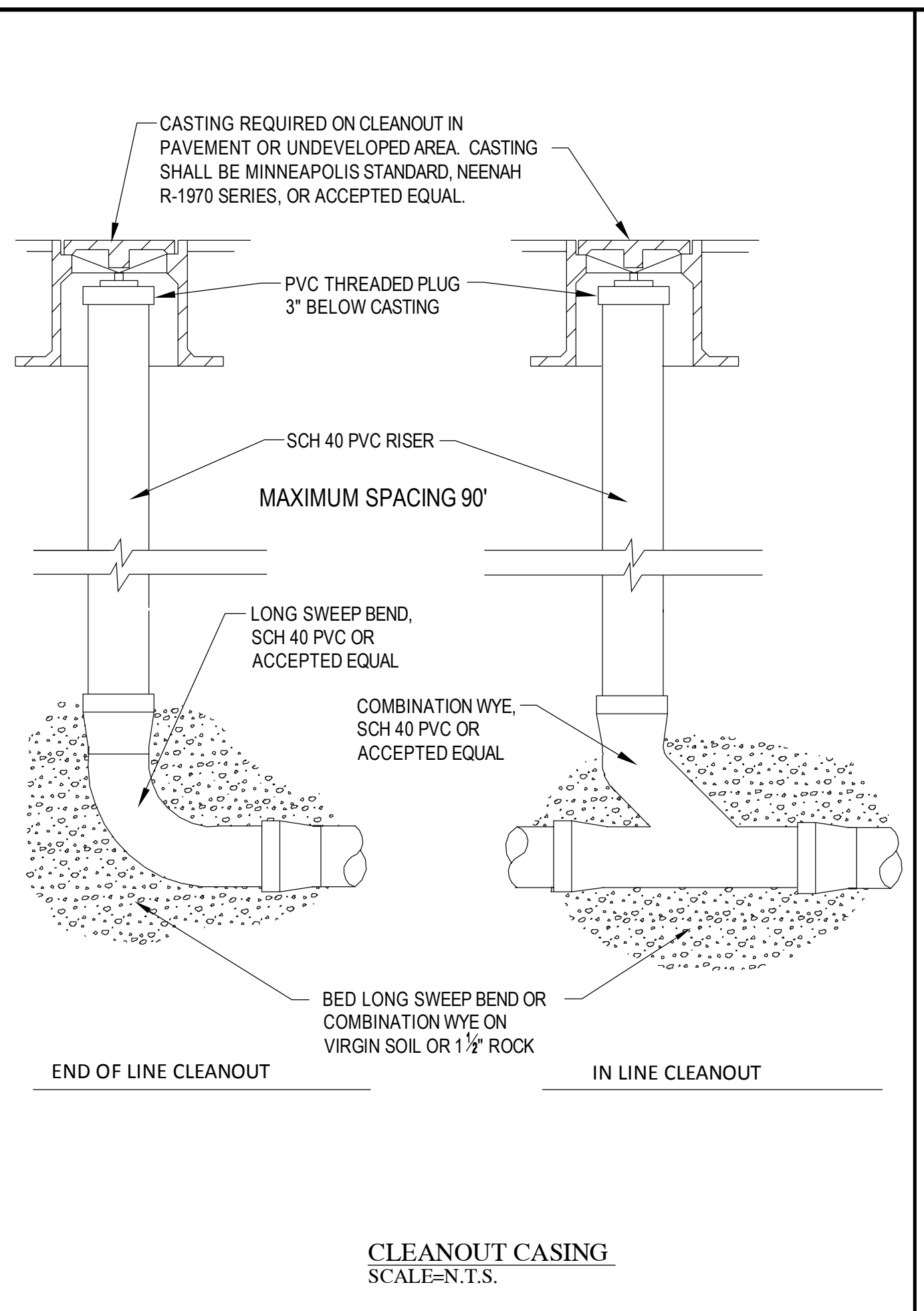
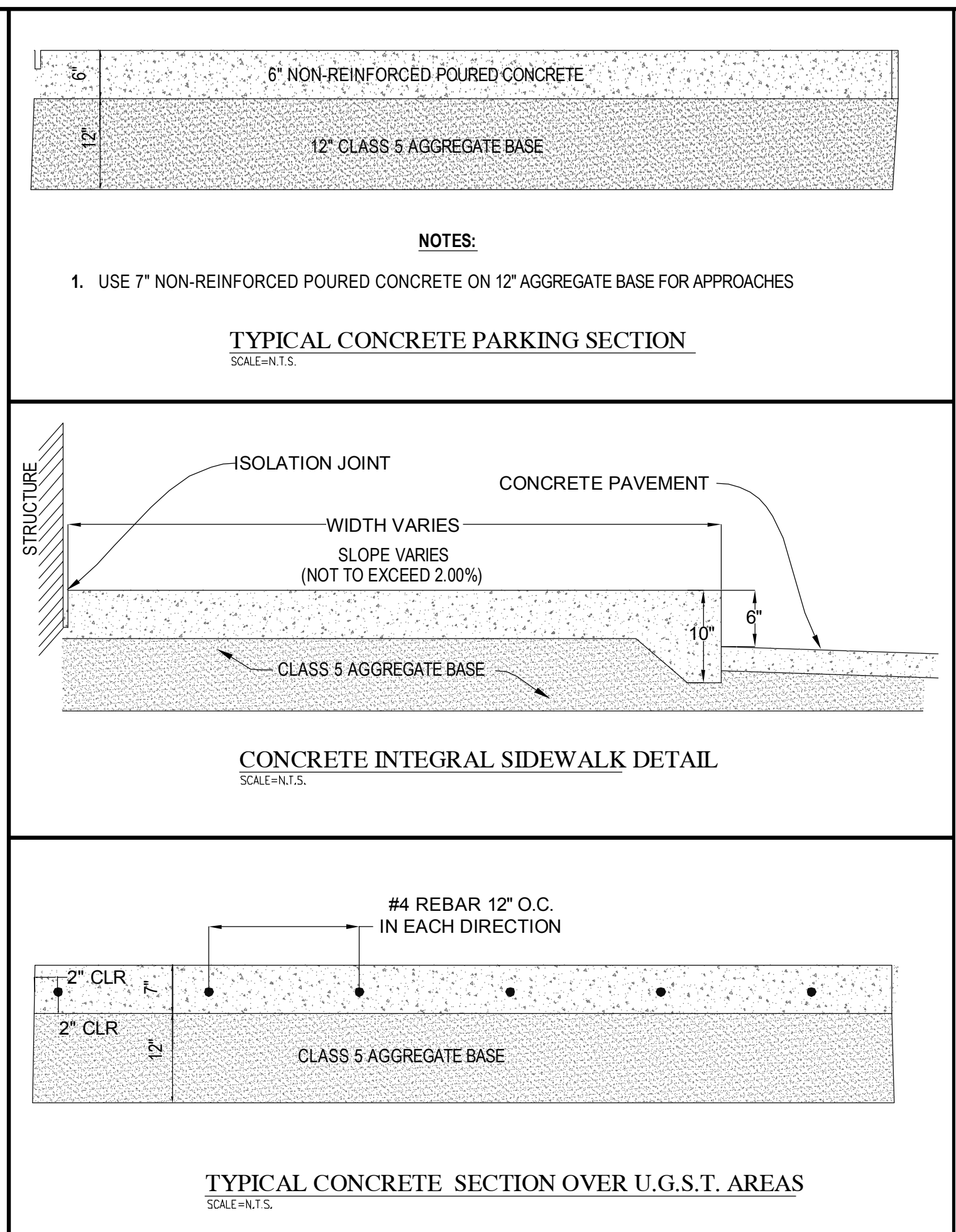
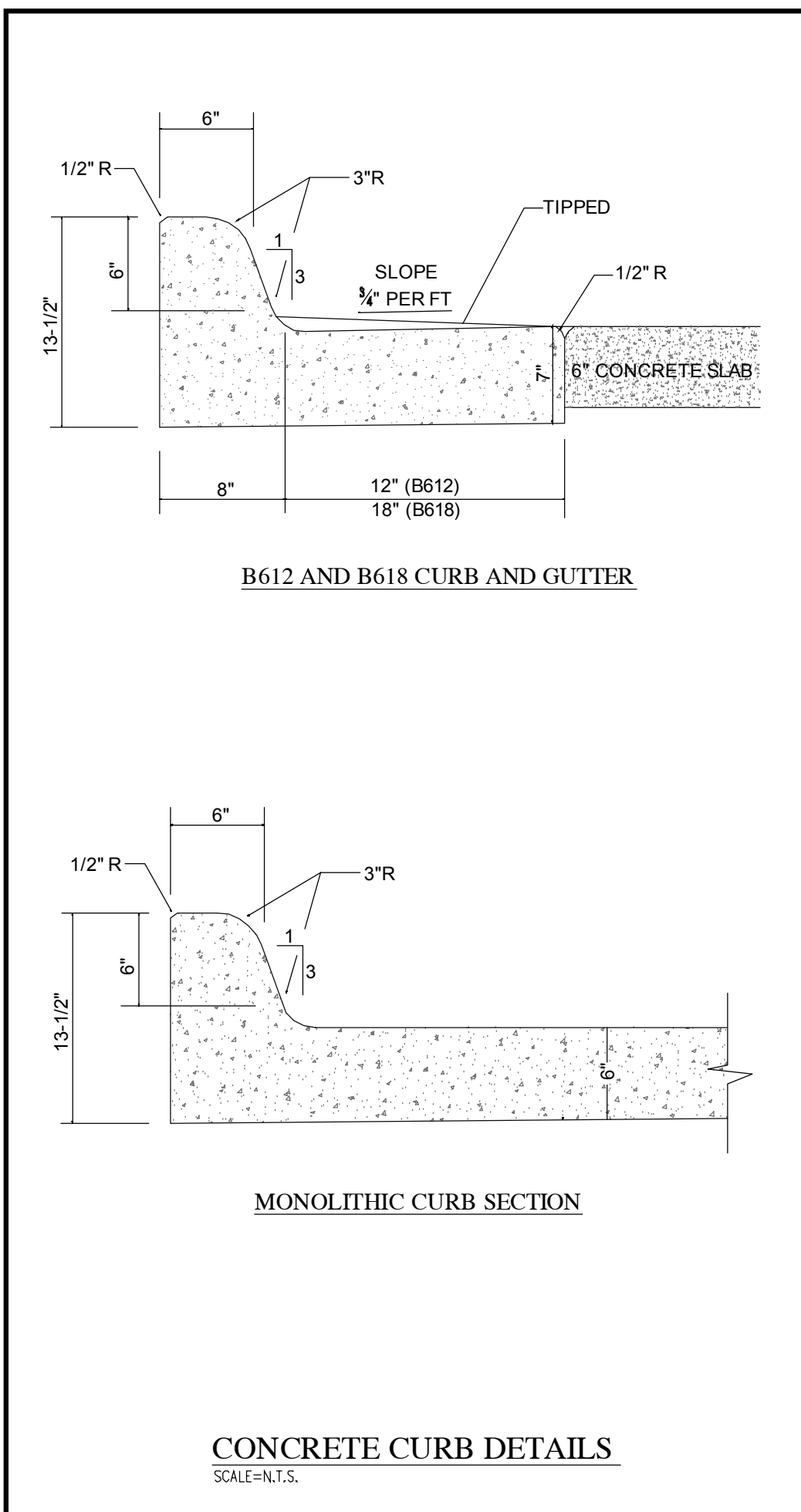
- ♀ FILL CATCH BASIN W/ OVERSPILL PROTECTION (TYP.)
- ①②③ TURBINE ENCLOSURE TYP. CONTAINS; SUB-PUMP W/LINE DETECTION, TANK PROBE FOR FUEL MONITORING, INCLUDING THE INTERSTITIAL SENSOR AND TANK SUMP SENSOR
- ♀ VENT EXTRACTOR W/BALL FLOAT FOR OVERFILL PROTECTION  
SUMP SENSOR @ EACH DISPENSER.

ZONING: RHD1 (RESIDENTIAL HIGH DENSITY 1)



ZONING: B-2 (HIGHWAY COMMERCIAL DISTRICT)





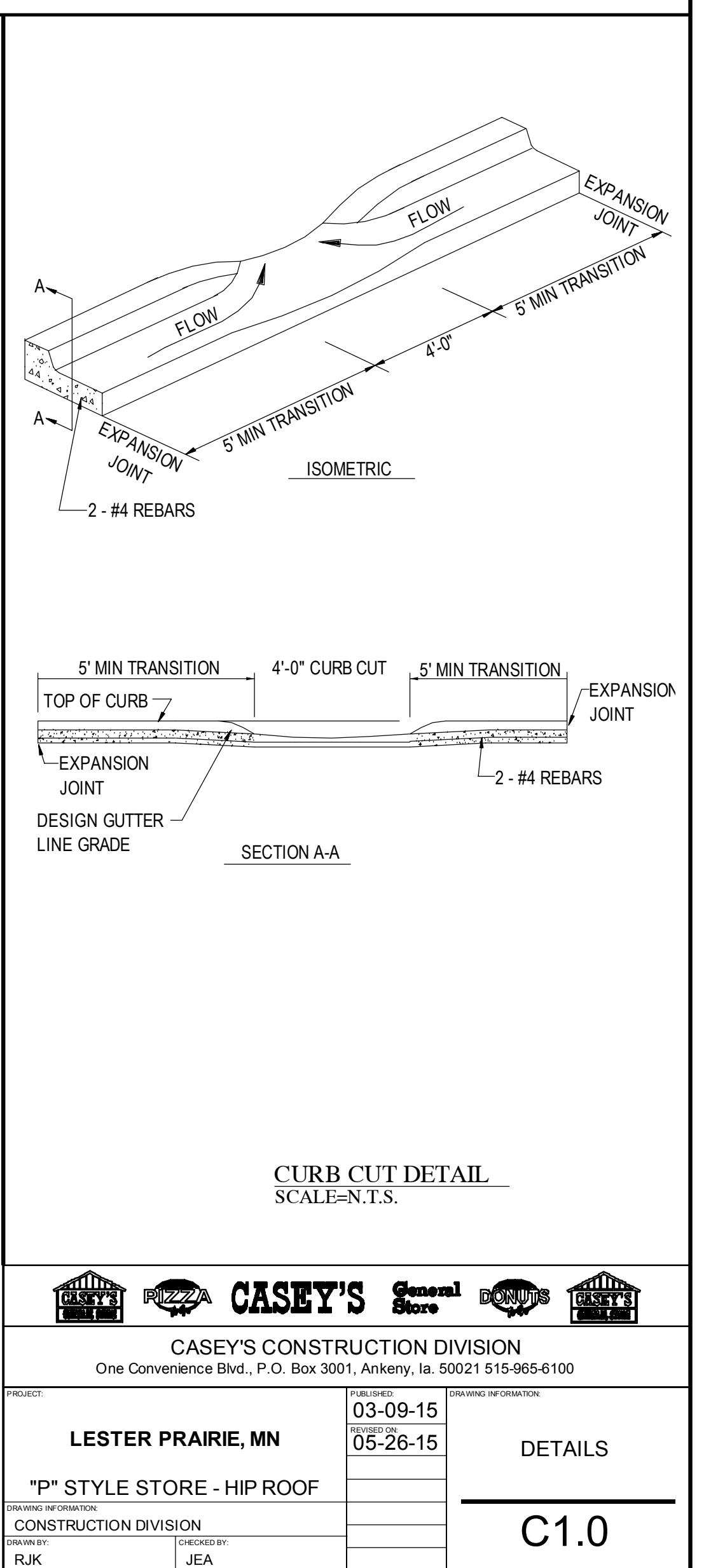
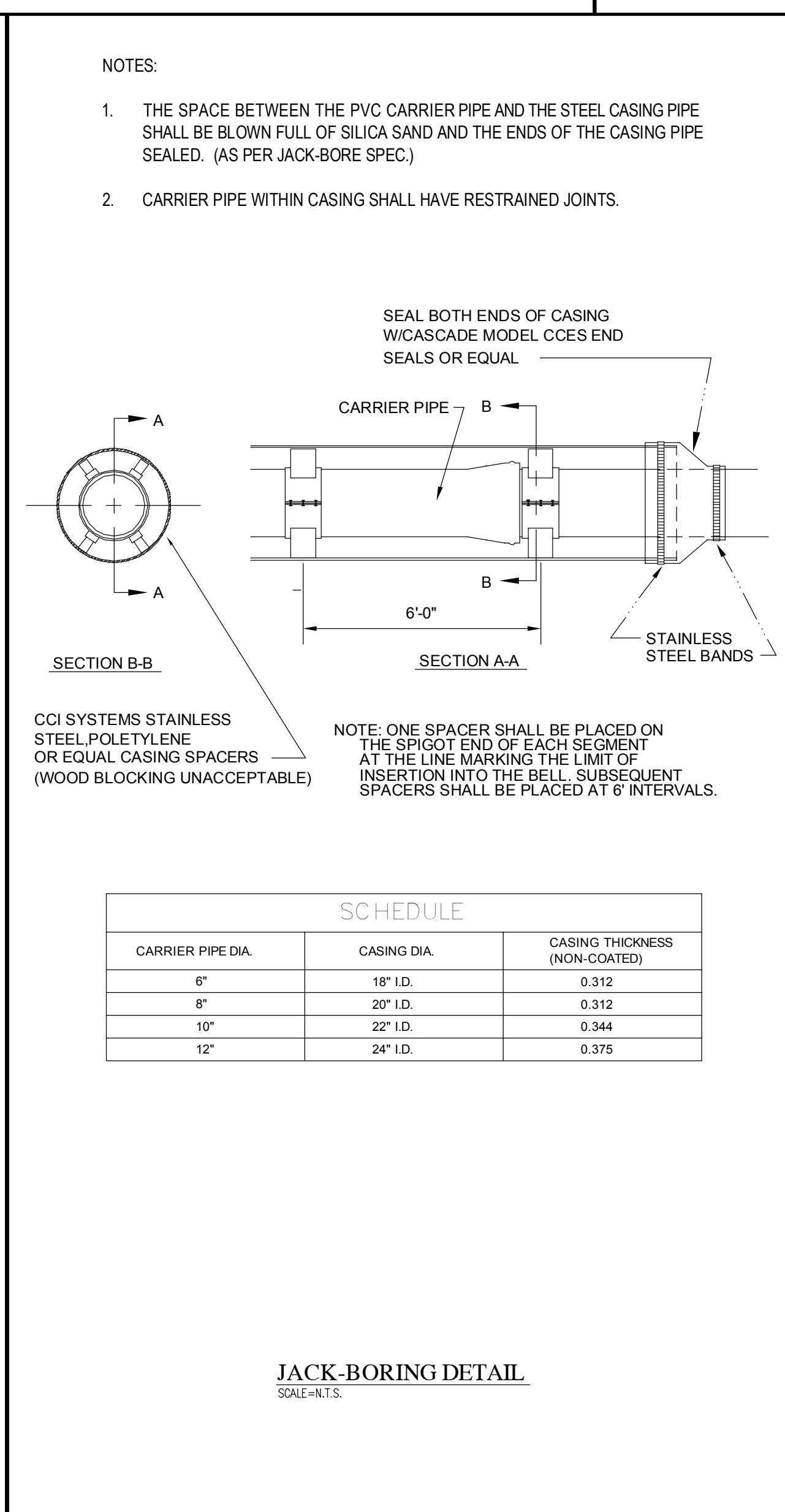
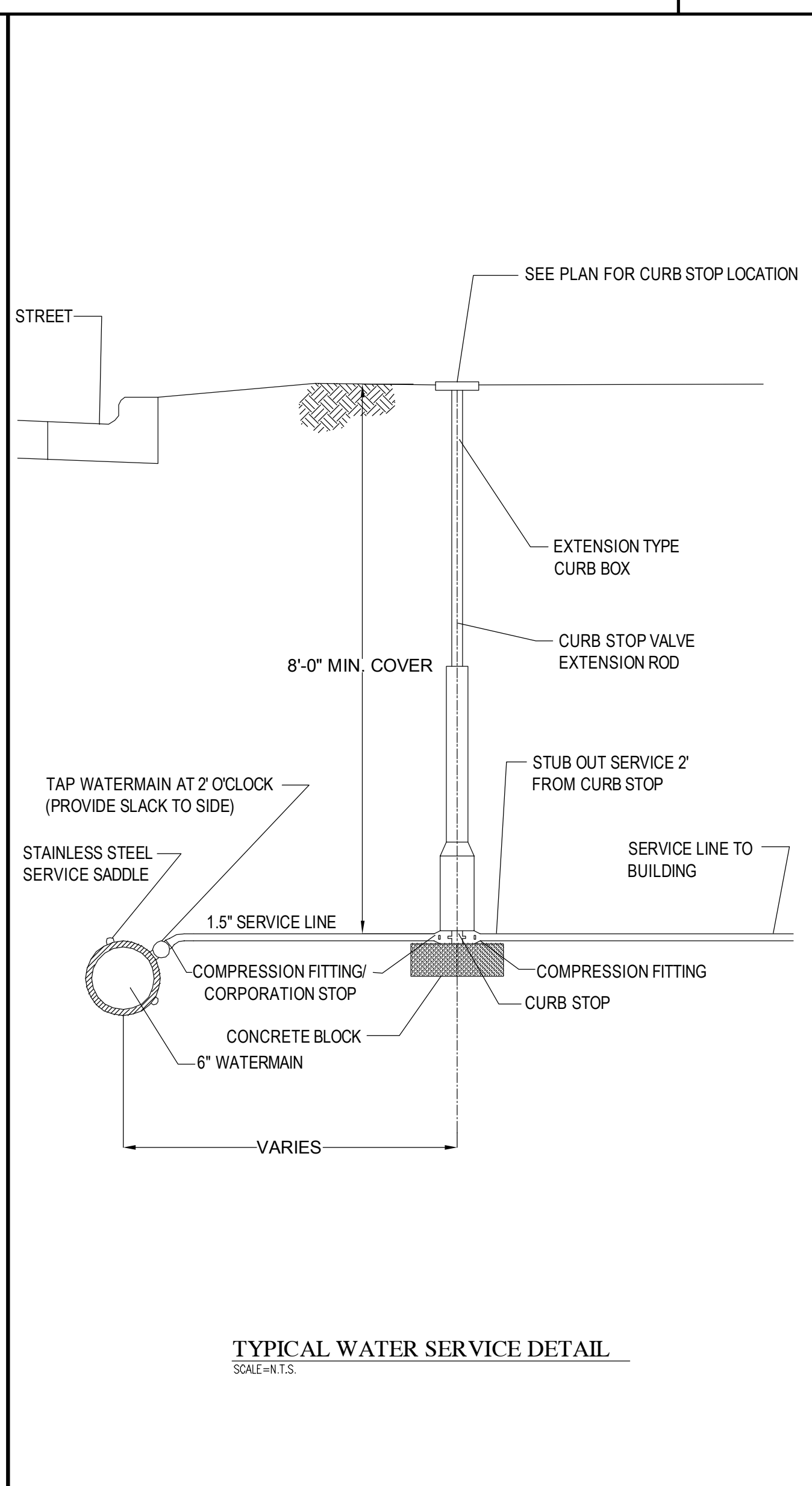
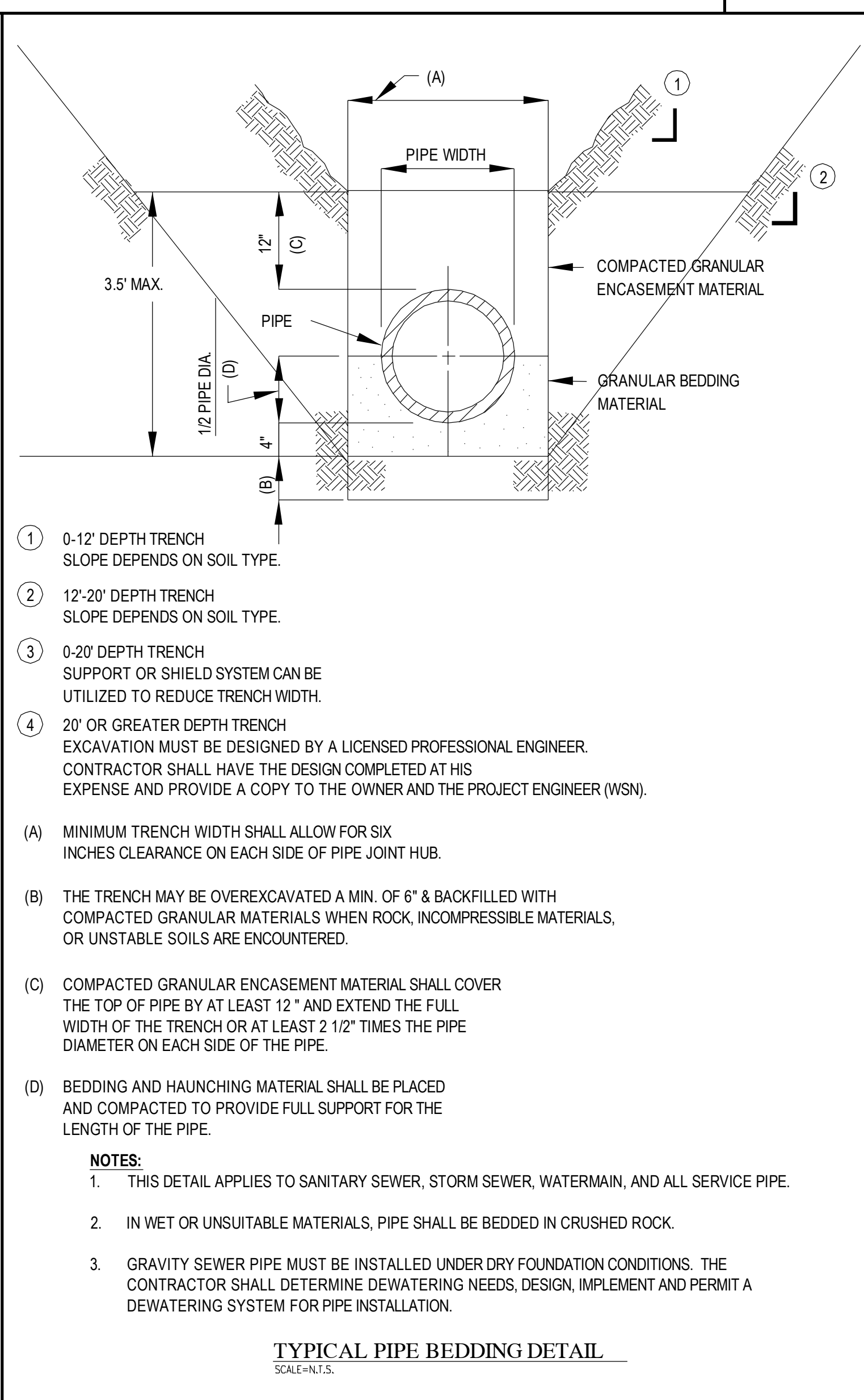
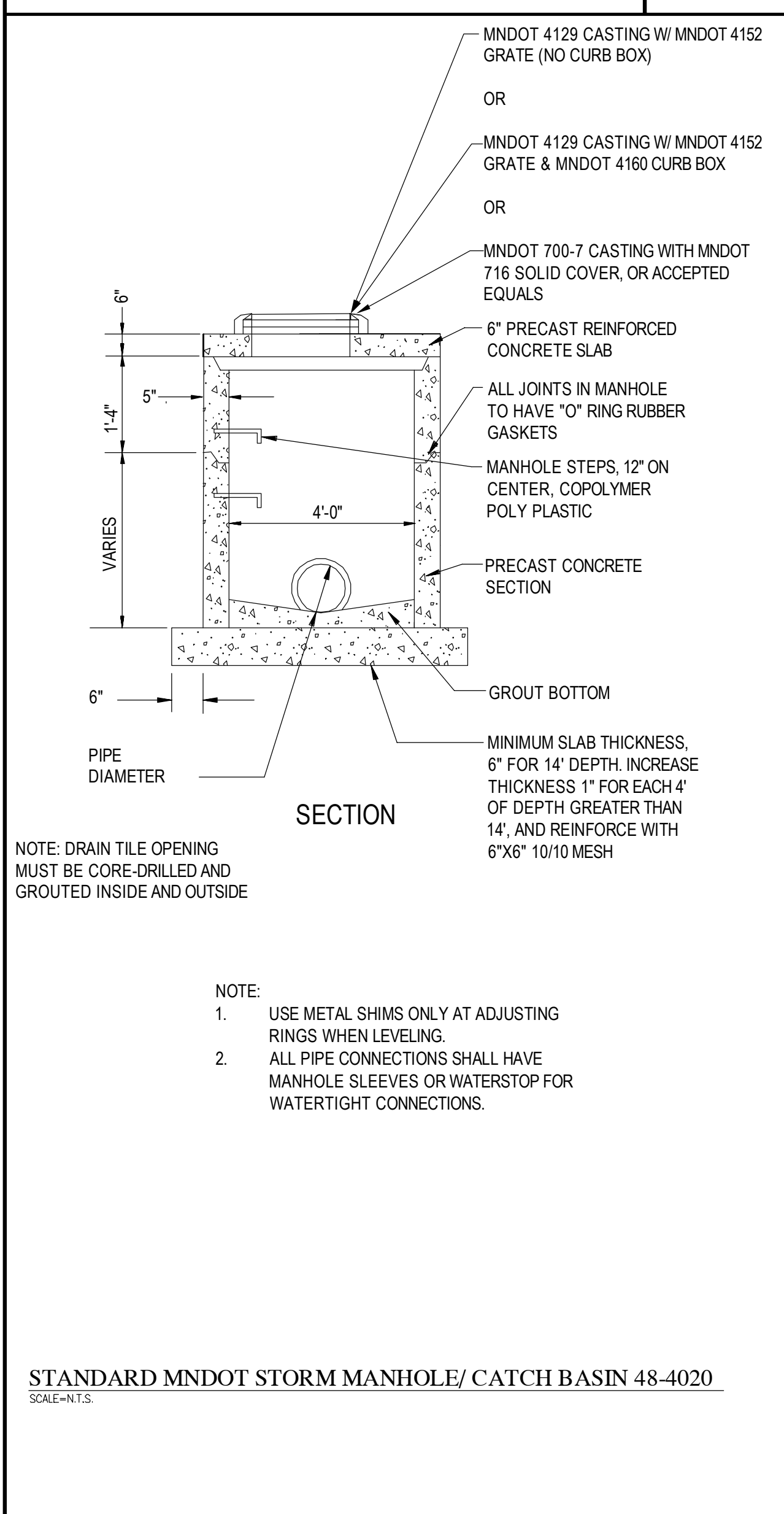
**Design Tree**  
ENGINEERS AND LAND SURVEYORS

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*Jeremy E. Anderson*  
JEREMY E. ANDERSON  
DATE: 05-26-15 LICENSE #: 44223



**SCHEDULE**

CARRIER PIPE DIA.	CASING DIA.	CASING THICKNESS (NON-COATED)
6"	18" I.D.	0.312
8"	20" I.D.	0.312
10"	22" I.D.	0.344
12"	24" I.D.	0.375

**CASEY'S** General Store

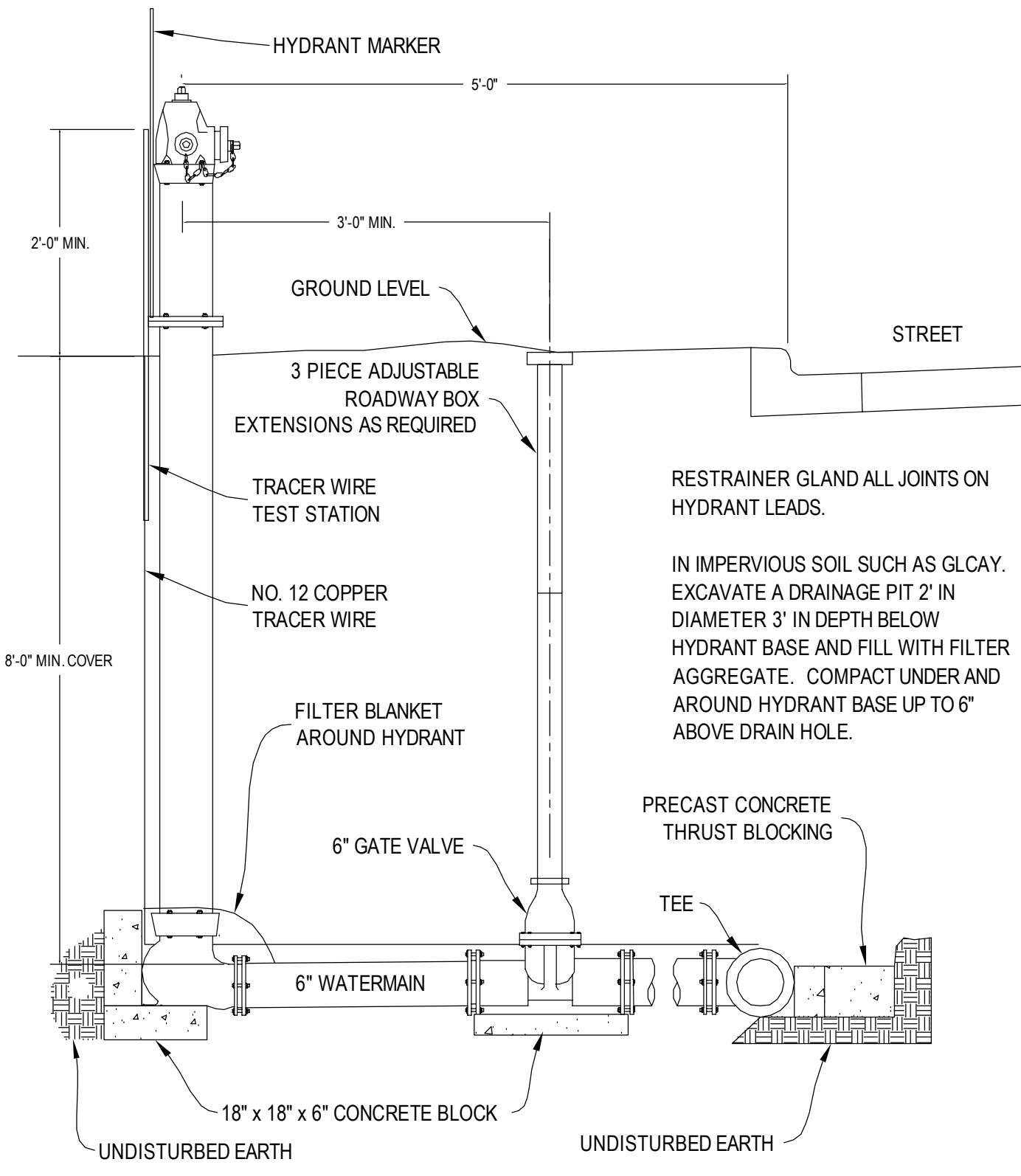
CASEY'S CONSTRUCTION DIVISION  
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: LESTER PRAIRIE, MN  
DRAWING NO: 03-09-15  
DATE: 05-26-15

CONSTRUCTION DIVISION  
DRAWN BY: RJK  
CHECKED BY: JEA

DETAILS  
**C1.0**

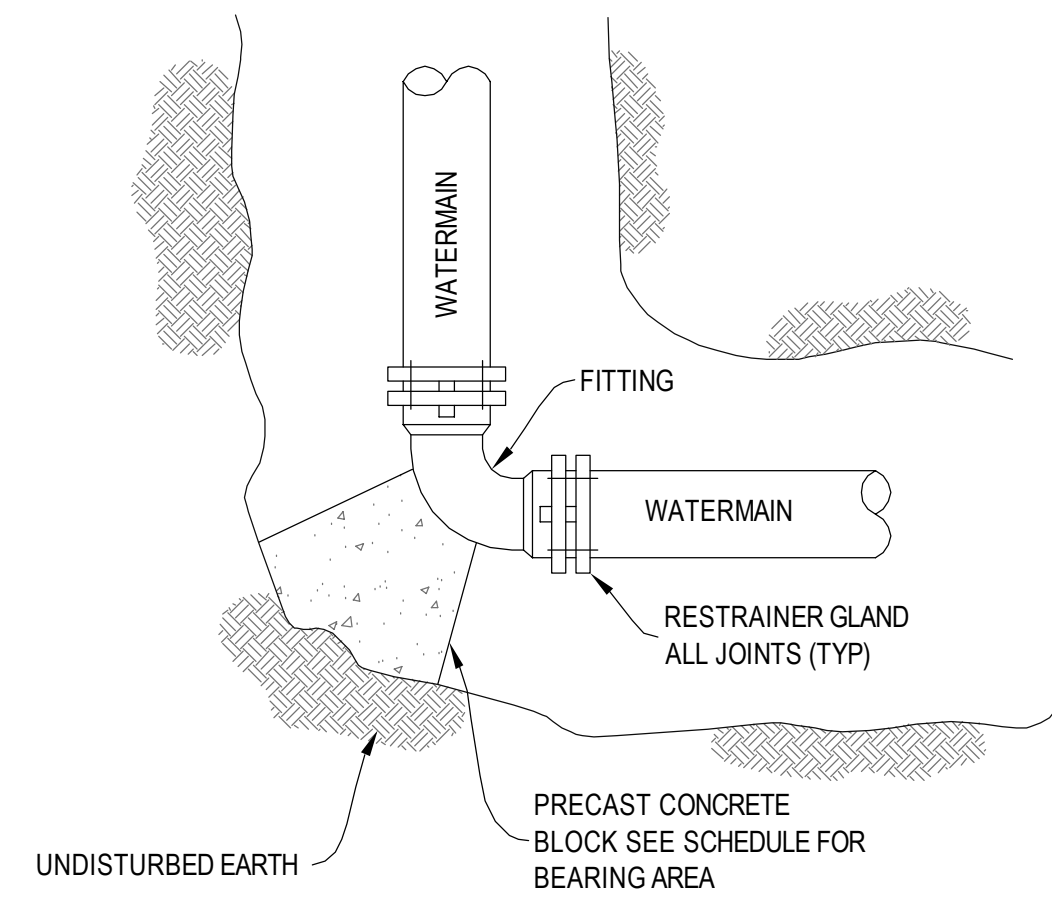




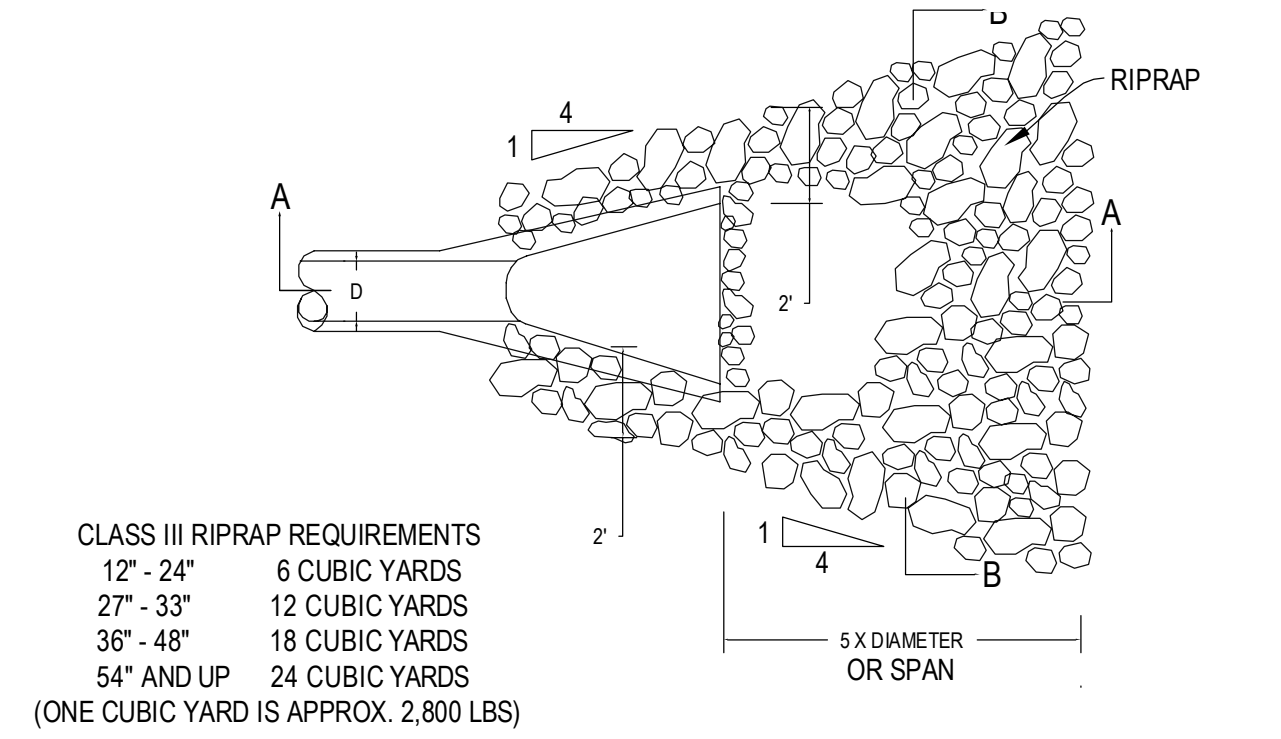
**NOTE:**  
HYDRANTS LOCATED WHERE THE GROUNDWATER TABLE IS ABOVE THE DRAIN OUTLET SHALL HAVE THE OUTLET DRAIN PLUGGED AND SHALL BE EQUIPPED WITH A TAG STATING "PUMP AFTER USE".

**TYPICAL HYDRANT LEAD DETAIL**  
SCALE=N.T.S.

BEARING AREA (SQ. FEET)			
	6"	8"	12"
11 1/4" BEND	0	0.6	1.7
22 1/2" BEND	1.0	1.8	3.1
45° BEND	1.6	3.3	6.6
90° BEND	3.0	6.0	12.0
TEE	2.1	4.2	8.5
PLUG	2.1	4.2	8.5



**THRUST BLOCKING DETAIL**  
SCALE=N.T.S.

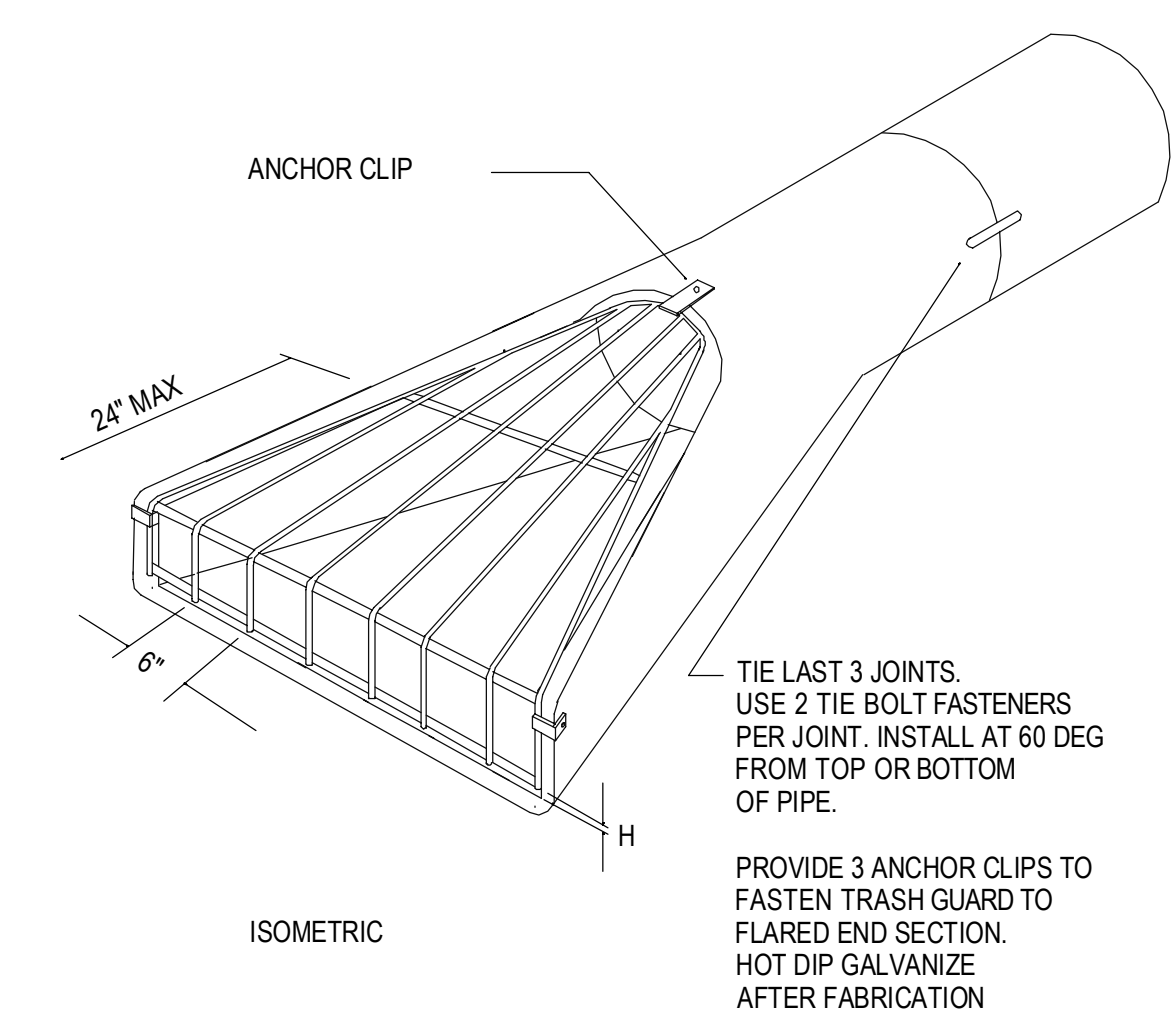


**CLASS III RIPRAP REQUIREMENTS**  
12" - 24" 6 CUBIC YARDS  
27" - 33" 12 CUBIC YARDS  
36" - 48" 18 CUBIC YARDS  
54" AND UP 24 CUBIC YARDS  
(ONE CUBIC YARD IS APPROX. 2,800 LBS)

**NOTE:** FILTER BLANKET REQUIRED UNDER RIPRAP OR 2 LAYERS OF 500X "MIRAFI" FABRIC OR EQUAL \* CLASS III RIPRAP, D50=9 IN. (MNDOT SPEC 3601)

**CLASS III RIPRAP AT OUTLETS**  
SCALE=N.T.S.

TRASH GUARD SIZING			
PIPE SIZE	BAR	"H"	BOLTS
12"-18"	3/4" DIA	4"	3/8"
21"-42"	1" DIA	6"	3/4"
48"-72"	1-1/4" DIA	12"	1"



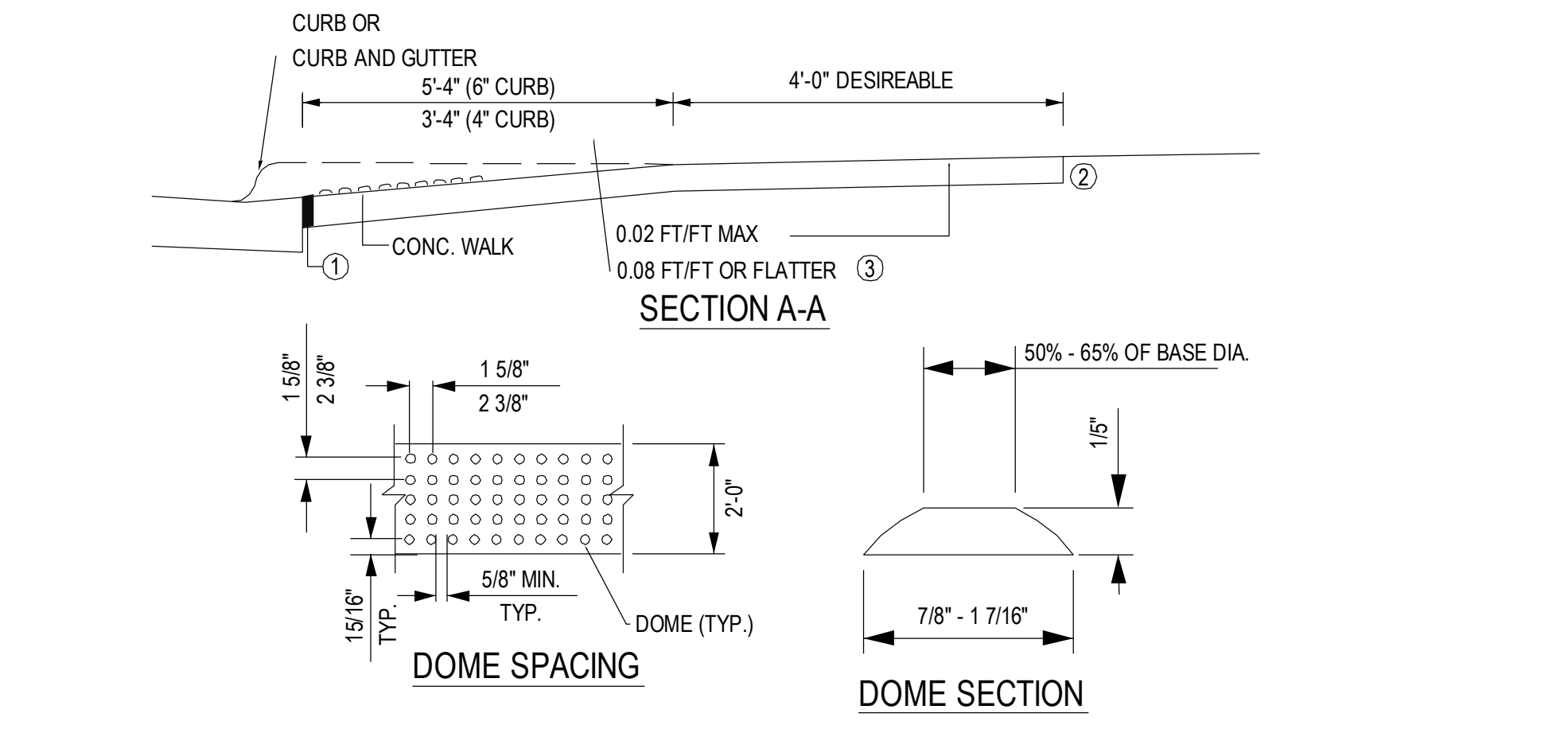
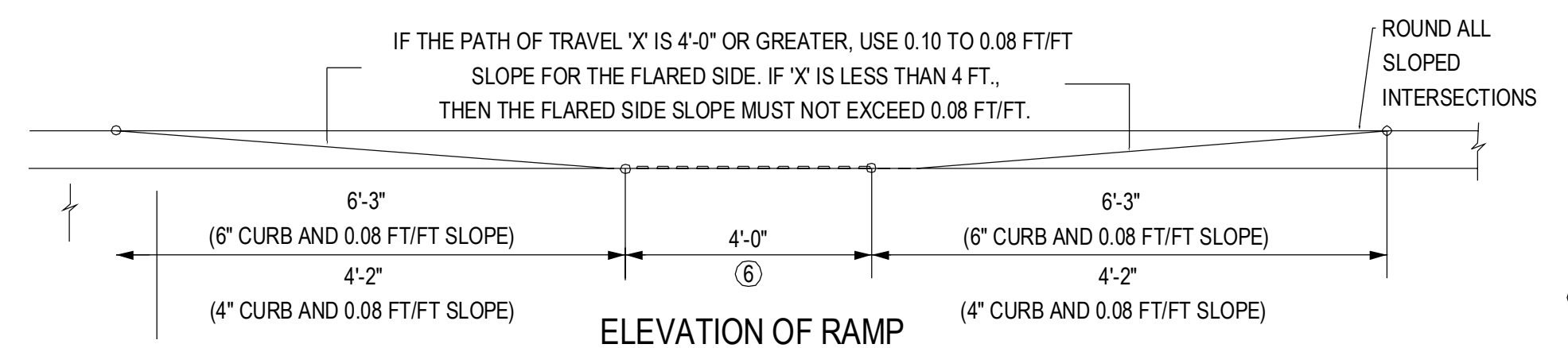
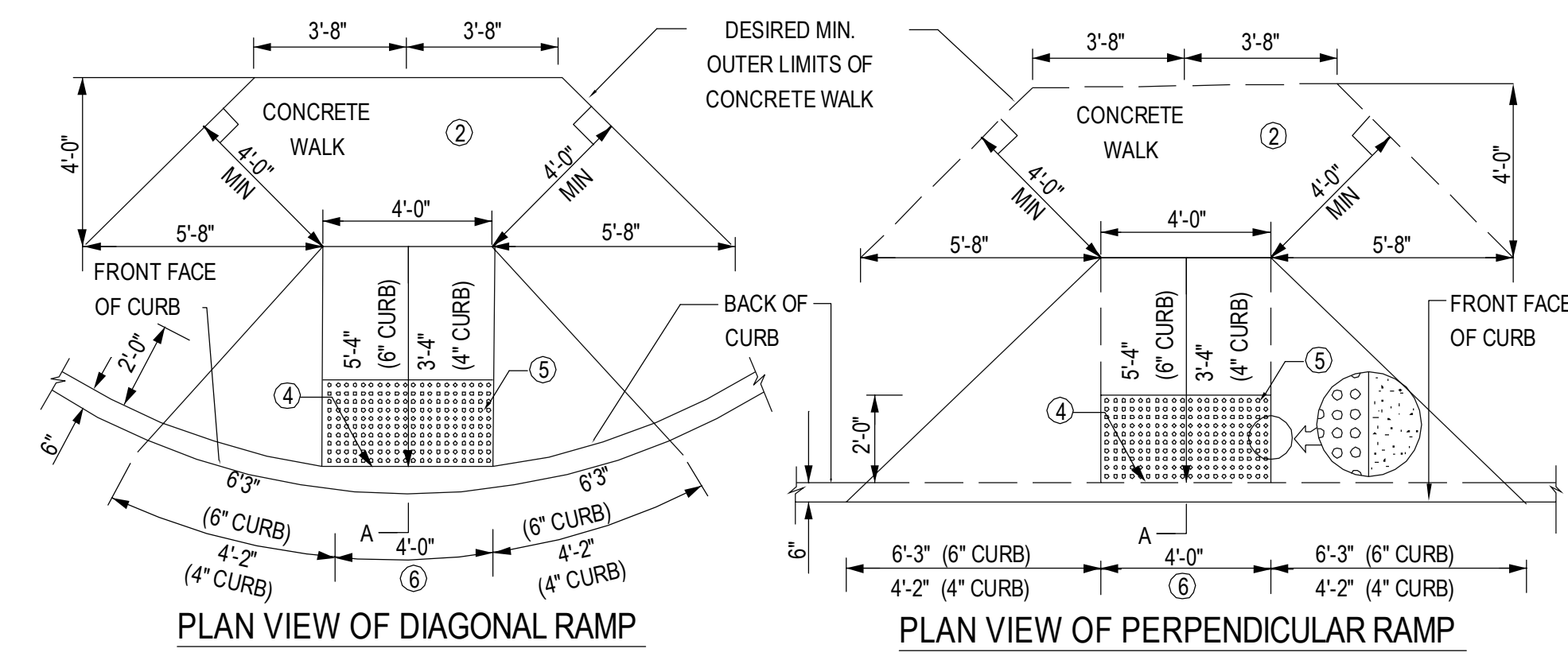
**FLARED END SECTION AND TRASH GUARD**  
SCALE=N.T.S.

**Design Tree**  
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Alexandria, MN 56308  
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3339 W. St. Germain St., Suite 250  
St. Cloud, MN 56301  
(320) 217-5557 (Phone)  
(320) 217-5597 (Fax)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

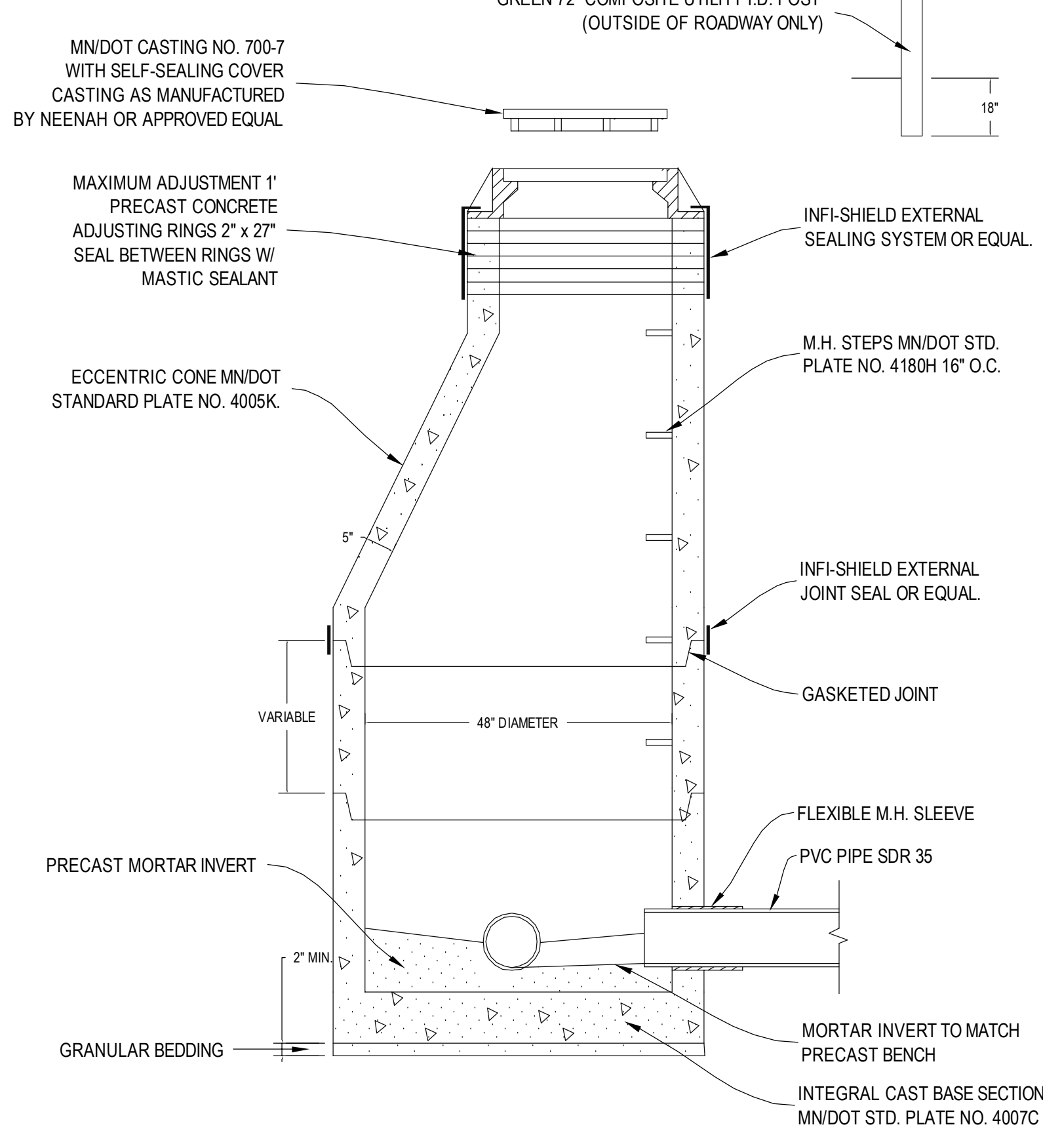
*Jeremy E. Anderson*  
JEREMY E. ANDERSON  
DATE: 05-26-15 LICENSE #: 44223



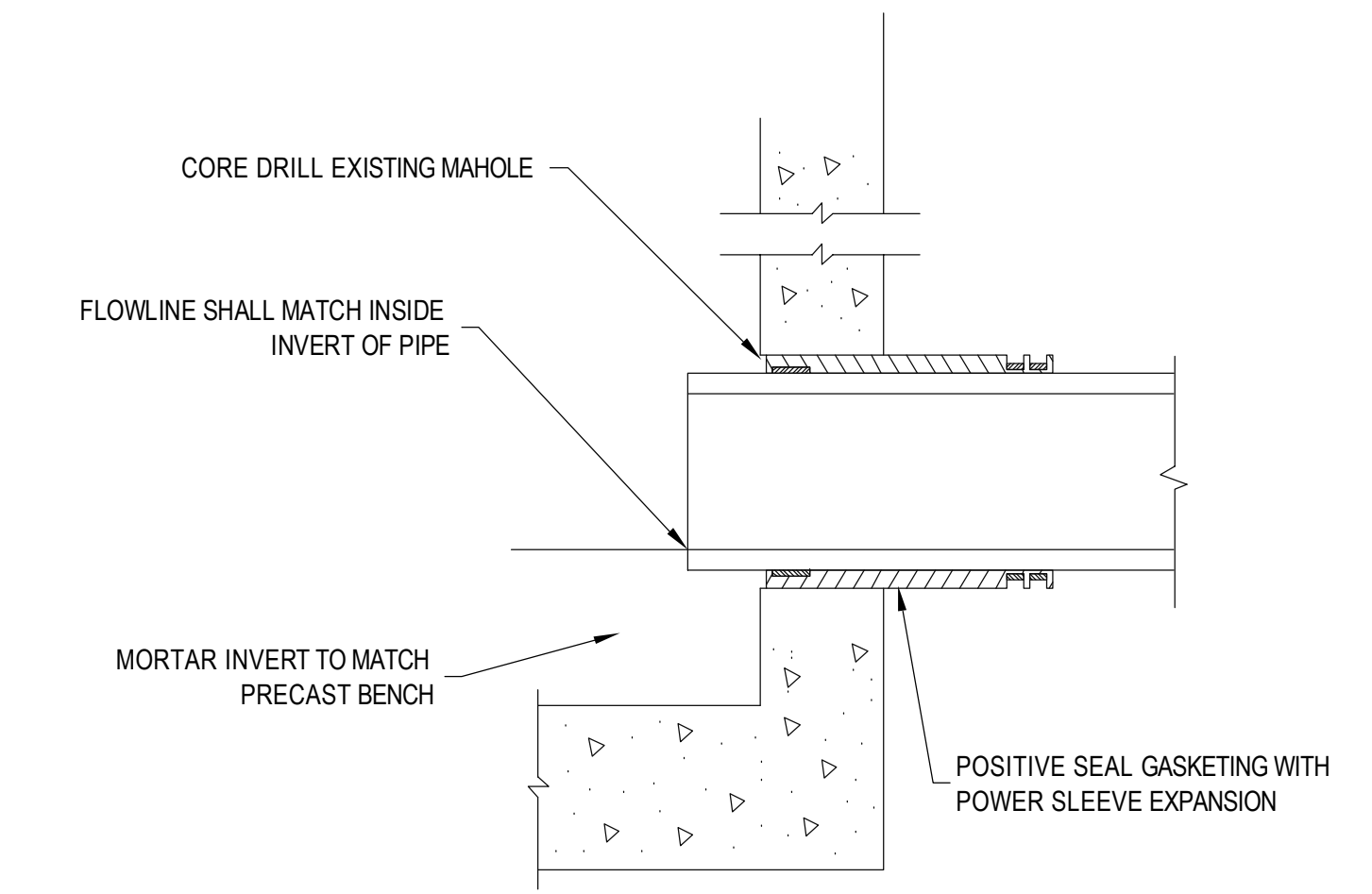
**PEDESTRIAN CURB RAMP STANDARD PLATE**  
SCALE=N.T.S.

- 1/2 INCH PREFORMED JOINT FILLER MATERIAL, AASHTO M 213.
- WHEN POSSIBLE, PROVIDE A PATH OF TRAVEL 4'-0" WIDE BEHIND THE PEDESTRIAN RAMP. A RELATIVELY FLAT 4'-0" X 4'-0" LANDING WILL ALLOW WHEELCHAIRS TO NAVIGATE AROUND THE PEDESTRIAN RAMP.
- WHEN A MEDIAN IS NOT WIDE ENOUGH FOR TWO PEDESTRIAN RAMPS AND A 48" LANDING BETWEEN THEM, THE PEDESTRIAN CROSSING SHALL BE CUT THROUGH THE MEDIAN AT STREET LEVEL.
- PLACE THE DETECTABLE WARNINGS (TRUNCATED DOMES) AT THE BACK OF CURB. WHEN THE DETECTABLE WARNING SYSTEM IS A PRECAST MATERIAL, THE CURB SHALL BE HAND FORMED TO FILL THE GAP.
- ADA REQUIRED TRUNCATED DOME AREA SHALL BE 2'-0" MIN. IN DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH (3'-0" OR 4'-0" TYP.) OF THE CURB RAMP. THIS 2'-0" X 3'-0" OR 4'-0" WIDTH (TYP.) TRUNCATED DOME AREA SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE. THE ENTIRE TRUNCATED DOME AREA SHALL BE RED.
- 4'-0" MIN. FOR NEW CONSTRUCTION. 3'-0" ALLOWED TO STAY IN PLACE FOR RETROFIT PROJECTS.

- WHEN M.H.'S ARE PLACED IN HARD ROAD SURFACES, THE M.H. SHALL BE 1/2" BELOW ROAD SURFACE.
- WHEN M.H.'S ARE PLACED IN EASEMENT AREAS (OUTSIDE OF ROADWAYS), THE M.H. SHOULD BE FLUSH WITH THE TOP OF THE GROUND.
- WHEN M.H.'S ARE PLACED IN WETLAND AREAS, THE M.H. SHOULD STICK OUT OF THE GROUND 2" AND SHOULD NOT HAVE ANY RINGS.
- WHEN M.H.'S ARE PLACED IN GRAVEL SURFACES, THE M.H. SHALL BE 6" BELOW GRAVEL GRADE.



**STANDARD PRECAST MANHOLE**  
SCALE=N.T.S.



**CORE DRILL DETAIL**  
SCALE=N.T.S.

**CASEY'S** General Store

**CASEY'S CONSTRUCTION DIVISION**  
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

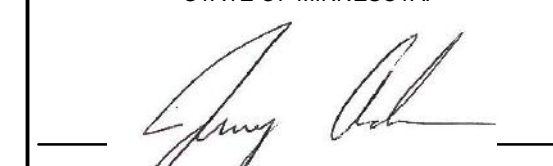
PROJECT	PUBLISHED	DRAWING NO. OR REVISION
<b>LESTER PRAIRIE, MN</b>	03-09-15	
	05-26-15	
DRAWING INFORMATION		
CONSTRUCTION DIVISION		
DRAWN BY: RJK	CHECKED BY: JEA	

**DETAILS**

**C1.1**



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DATE: 05-26-15 LICENSE #: 44223

**CONSTRUCTION SEQUENCING:**

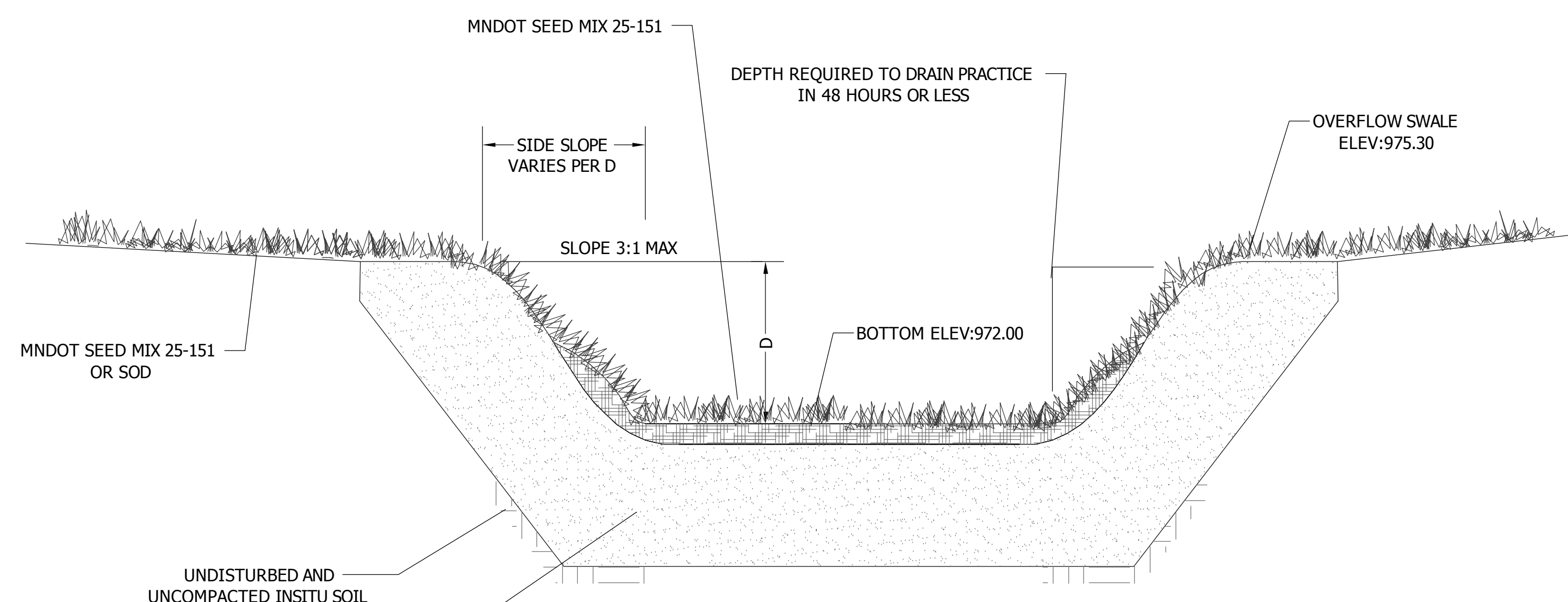
1. PERFORM CONTINUOUS INSPECTIONS OF EROSION CONTROL PRACTICES.
2. INSTALL SILT FENCE ALONG THE PERIMETER OF THE SITE TO PREVENT SEDIMENT FROM LEAVING THE SITE DURING THE CONSTRUCTION PROCESS.
3. ALL DOWNGRADIENT PERIMETER SEDIMENT-CONTROL BMPs MUST BE IN PLACE BEFORE ANY UP GRADIENT LAND-DISTURBING ACTIVITY BEGINS.
4. REMOVE TOPSOIL FROM THE SITE AND PLACE IN TEMPORARY STOCKPILE LOCATION. TEMPORARILY SEED THE STOCKPILE.
5. INSTALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, ELECTRIC AND PHONES) TAKING THE LOCATION AND FUNCTION OF STORM WATER BMPs INTO CONSIDERATION.
6. SEED AND MULCH OR SOD DISTURBED AREAS ON SITE.
7. CONSTRUCT THE ROADS TAKING THE LOCATION AND FUNCTION OF STORM WATER BMPs INTO CONSIDERATION.
8. PERFORM ALL OTHER SITE IMPROVEMENTS TAKING THE LOCATION AND FUNCTION OF THE STORM WATER BMPs INTO CONSIDERATION.
9. FINAL GRADE THE SITE.
10. STABILIZE THE SITE BY IMPLEMENTING THE GUIDELINES ON THE EROSION CONTROL PLAN.
11. INSTALL THE EROSION CONTROL BLANKET.
12. REMOVE THE SILT FENCE AFTER THE SITE IS STABILIZED PER PROJECT ENGINEER APPROVAL.

**GENERAL NOTES:**

1. INSTALL ALL TEMPORARY EROSION CONTROL MEASURES (IN ACCORDANCE WITH MnDOT GENERAL CONDITIONS 2573) PRIOR TO THE START OF ANY CONSTRUCTION OPERATION THAT MAY CAUSE ANY SEDIMENTATION OR SILTATION AT THE SITE.
2. INSTALL STORM DRAIN INLET PROTECTION TO PREVENT CLOGGING OF THE STORM SEWER AND SEDIMENT LOADS TO DOWNSTREAM STORM WATER FACILITIES OR WATERBODIES.
3. GRADING OF THE SWALE SHALL BE ACCOMPLISHED USING LOW-IMPACT EARTH-MOVING EQUIPMENT TO PREVENT COMPACTION OF THE UNDERLYING SOILS. SMALL TRACKED DOZERS AND BOBCATS WITH RUNNER TRACKS ARE RECOMMENDED.
4. EXCAVATE THE SWALE TO THE SPECIFIED DEPTH (ELEVATION). IT IS RECOMMENDED THAT ALL SUB MATERIAL BELOW THE SPECIFIED ELEVATION SHALL BE LEFT UNDISTURBED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. GRADE TO THE DEPTH (ELEVATION) SPECIFIED IN THE CONSTRUCTION DOCUMENTS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. IN THE EVENT THAT SEDIMENT IS INTRODUCED INTO THE BMP DURING OR IMMEDIATELY FOLLOWING EXCAVATION, THIS MATERIAL WILL NEED TO BE REMOVED FROM THE SWALE PRIOR TO INITIATING THE NEXT STEP IN THE CONSTRUCTION PROCESS. THIS IS ESPECIALLY IMPORTANT IF THE SWALE HAS BEEN DESIGNED TO INFILTRATE STORM WATER: SEDIMENT THAT HAS BEEN WASHED INTO THE SWALE DURING THE EXCAVATION PROCESS CAN SEAL THE PERMEABLE MATERIAL, SIGNIFICANTLY REDUCING THE INFILTRATION CAPACITY OF THE SOILS.
7. MATERIAL EXCAVATED FROM THE SWALE(S) SHALL BE DISPOSED OF ON-SITE AT LOCATIONS (STOCKPILE AREAS) DESIGNATED BY ENGINEER.
8. **NON-STANDARD COMPONENT:** CLEAN, WASHED 1.5 TO 3.5-INCH GRAVEL SHALL BE PLACED IN THE BOTTOM OF THE SWALE TO THE DEPTH SPECIFIED IN THE CONSTRUCTION DOCUMENTS. GRAVEL SHOULD BE PLACED IN LIFTS AND LIGHTLY COMPACTED WITH PLATE COMPACTORS.
9. SEEDING, SOD AND INSTALLATION OF EROSION CONTROL BLANKET SHALL BE COMPLETED WITHIN 48 HOURS OF FINAL GRADING.

**INFILTRATION BMP CONSTRUCTION REQUIREMENTS:**

1. **PROTECT SITE:** BEFORE THE PROJECT STARTS, THE INFILTRATION BMP PERIMETER IS REQUIRED TO BE MARKED AND STAKED OFF TO AVOID SOIL COMPACTION. EXAMPLES: YELLOW CAUTION TAPE OR SILT FENCE.
2. **DON'T COMPACT:** IT IS EXTREMELY IMPORTANT WHILE EXCAVATING AND THROUGHOUT THE CONSTRUCTION PHASE NOT TO COMPACT THE SOIL. KEEP VEHICLES AND EQUIPMENT OFF THE INFILTRATION AREA.
3. **WHEN TO CONSTRUCT:** INFILTRATION SYSTEMS SHOULD NOT BE EXCAVATED TO FINAL GRADE UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN CONSTRUCTED AND FULLY STABILIZED. CONTRIBUTING DRAINAGE AREAS ARE REQUIRED TO BE FULLY STABILIZED PRIOR TO BRINGING INFILTRATION SYSTEMS INTO USE.
4. **DURING CONSTRUCTION** OF AN INFILTRATION SYSTEM, RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS (e.g. DIVERSION BERMS) ARE REQUIRED TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE INFILTRATION AREA. INFILTRATION BMP'S SHOULD BE CONSTRUCTED AT THE END OF THE PROJECT IF POSSIBLE.
5. **SOILS:** SOIL MIXTURES (e.g. 70% SAND 30% COMPOST) MUST FOLLOW DESIGN SPECIFICATIONS. IF SOILS UNDER THE INFILTRATION AREA ARE HEAVILY COMPACTED OR OF MATERIAL THAT DOES NOT DRAIN (e.g. CLAY) ALTERATIONS MUST BE IMPLEMENTED SUCH AS DEEP SOIL RIPPING OR REMOVAL AND REPLACEMENT OF UNDERLYING SOILS.
6. **GRADES AND ELEVATIONS:** SLOPES, ELEVATIONS, AND DEPTHS OF THE INFILTRATION DESIGN ARE REQUIRED TO BE FOLLOWED TO ENSURE PROPER FUNCTIONING OF THE SYSTEM.
7. **REMOVE SEDIMENT:** SEDIMENT IS REQUIRED TO BE REMOVED FROM THE BMP WHEN THE PROJECT IS COMPLETED.
8. **PRE-TREATMENT CONSTRUCTION:** REQUIRED PRIOR TO DISCHARGING TO THE INFILTRATION BMP. IMPORTANT TO INSTALL CORRECTLY SO WATER CAN ENTER THE INFILTRATION AREA - SEDIMENT MUST BE REMOVED AT THE END OF THE PROJECT.
9. **POST-CONSTRUCTION OPERATION AND MAINTENANCE:** A POST-CONSTRUCTION MAINTENANCE PLAN IS REQUIRED. DO THIS PRIOR TO LAND DISTURBANCE PERMIT TERMINATION.




30" MIN. PLANTING MEDIA DEPTH. MATERIAL SHALL CONSIST OF THE FOLLOWING BLENDED MIXTURE (BY VOLUME):

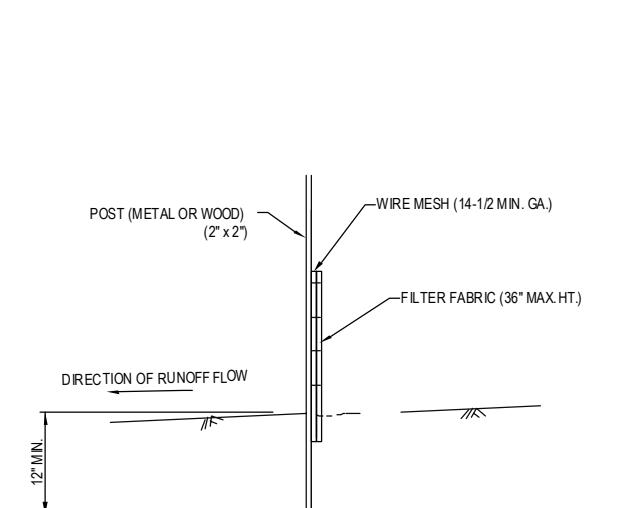
50-60% HOMOGENEOUS CONSTRUCTION SAND  
20-30% ORGANIC LEAF COMPOST  
20-30% NATIVE TOPSOIL

**TYPICAL INFILTRATION BASIN SECTION**

SCALE = N.T.S.

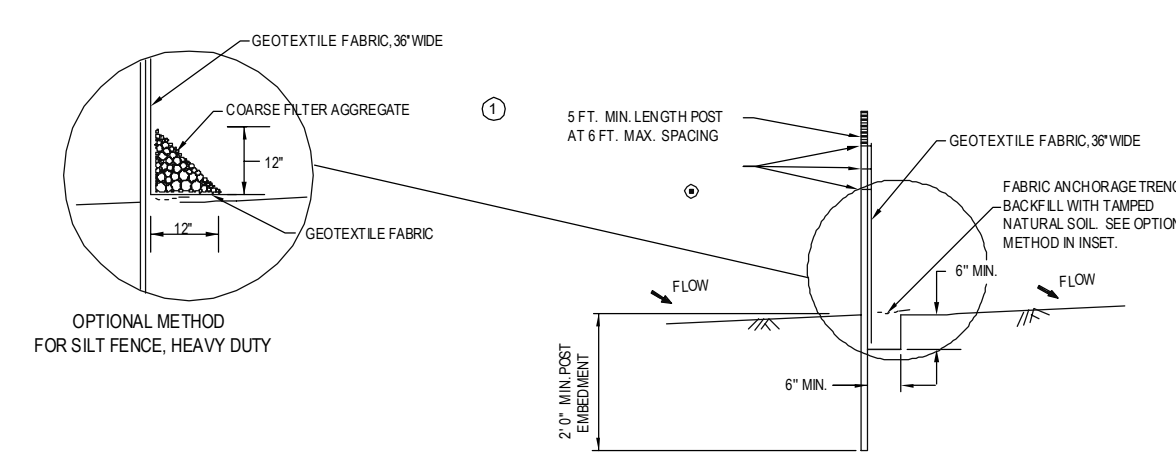
 <p>CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100</p>			
PROJECT	PUBLISHED	DATE	DRAWING INFORMATION
LESTER PRAIRIE, MN	03-09-15	05-26-15	INFILTRATION BASIN DETAILS
DRAWING INFORMATION			
CONSTRUCTION DIVISION			
DRAWN BY	CHECKED BY		
RJK	JEA		
			<b>C1.2</b>



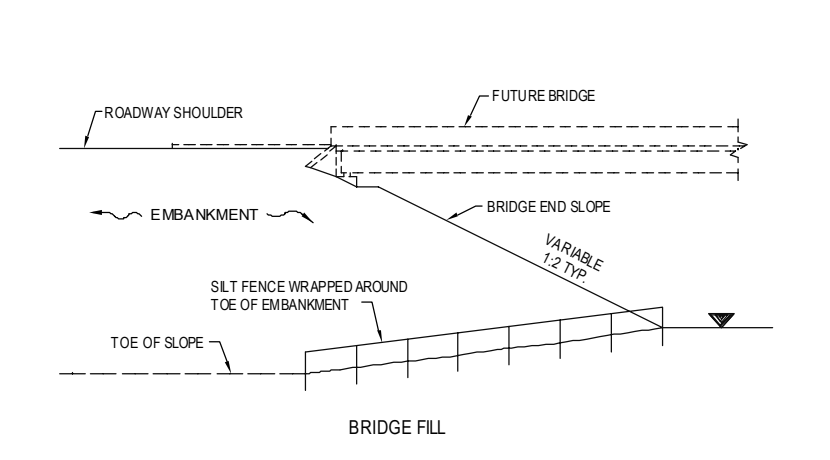


- NOTES:
1. TYPE OF FENCING TO BE USED SHALL COMPLY WITH MNDOT 3861 UNLESS INDICATED OTHERWISE ON PLANS.
  2. DO NOT USE 4\"/>

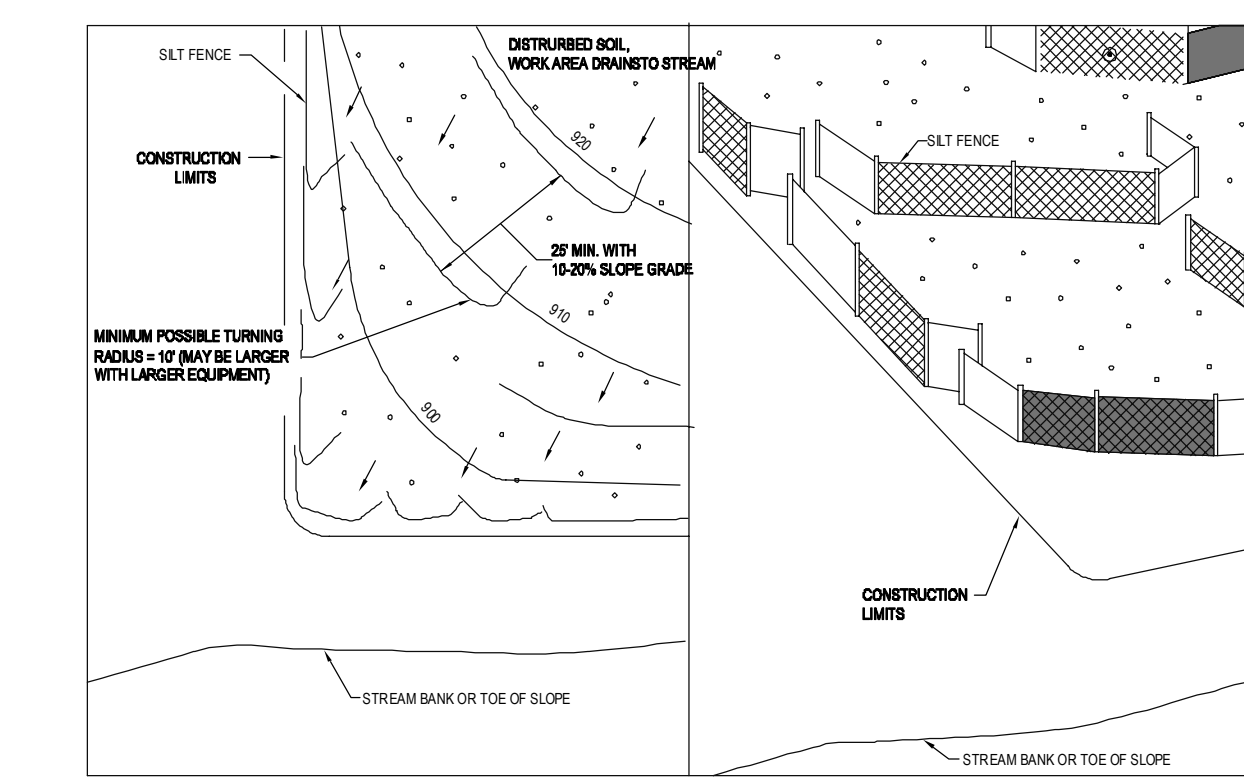
SILT FENCE DETAIL



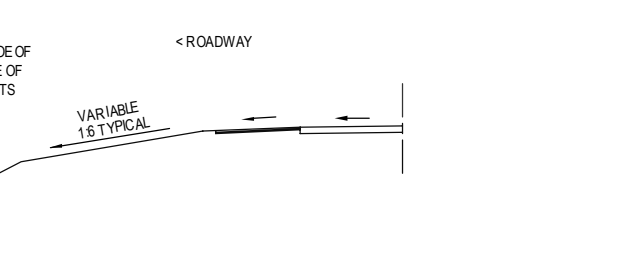
LOCATION OF SILT FENCE AT TOE OF ROADWAY EMBANKMENT



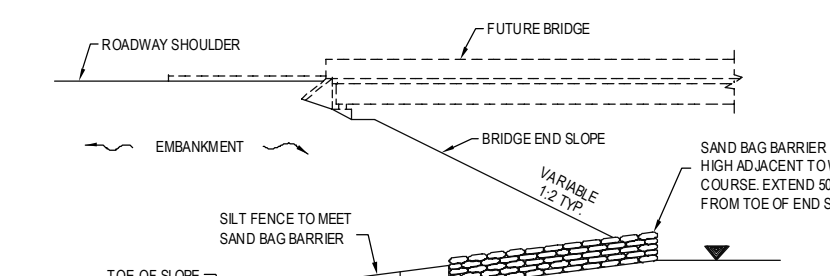
SILT FENCE AT BRIDGE EMBANKMENT ADJACENT TO WATER



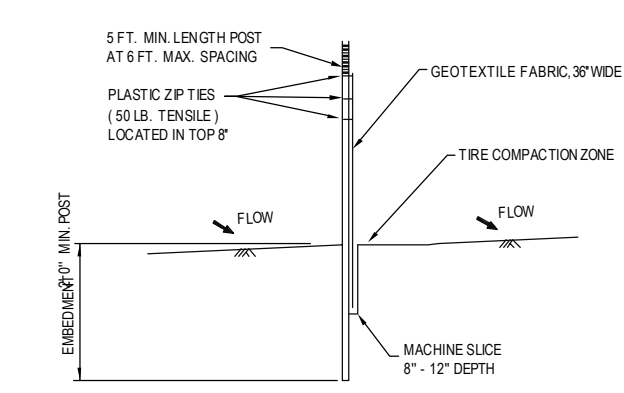
SILT FENCE, J-HOOK INSTALLATION



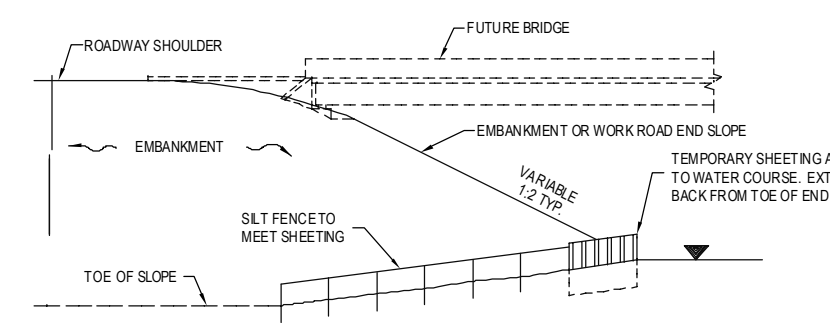
SILT FENCE, MACHINE SLICED DESIGN



SILT FENCE AT BRIDGE EMBANKMENT ADJACENT TO WATER

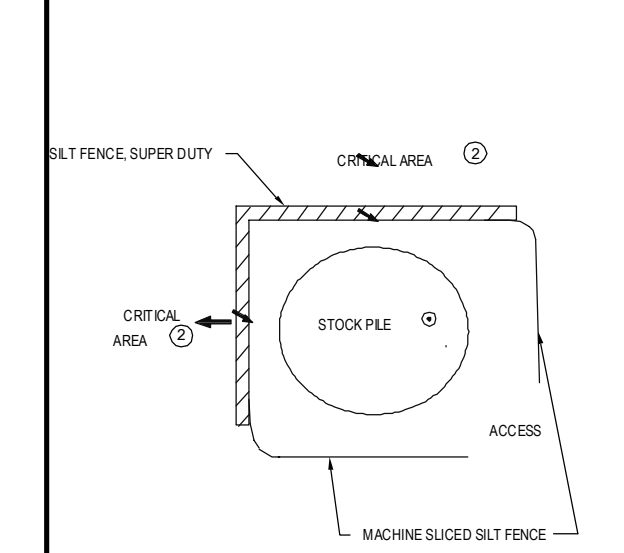


SILT FENCE, MACHINE SLICED DESIGN

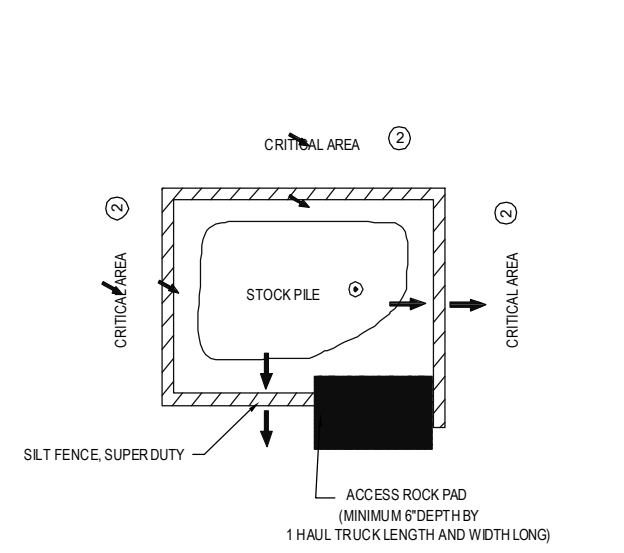


SILT FENCE AT BRIDGE EMBANKMENT ADJACENT TO WATER

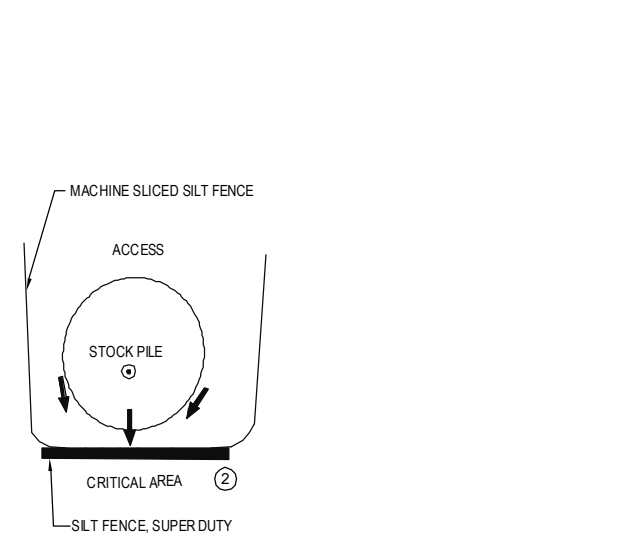
- NOTES:
1. COARSE FILTER AGGREGATE (SPEC. 3148) SHALL BE INCIDENTAL.



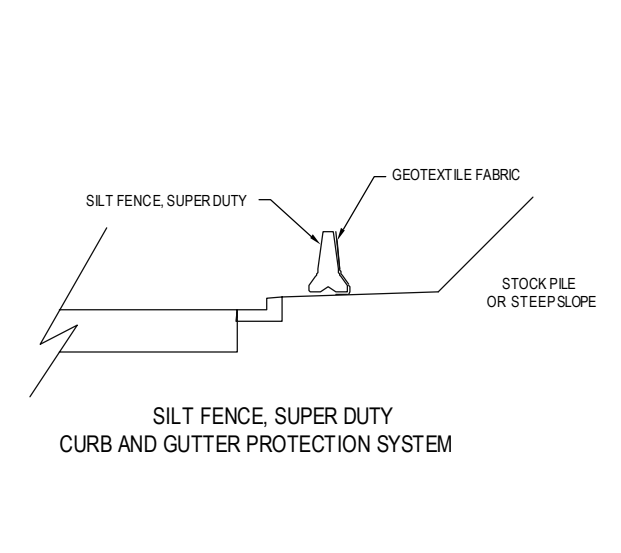
SILT FENCE SUPER DUTY STOCK PILE CONTAINMENT



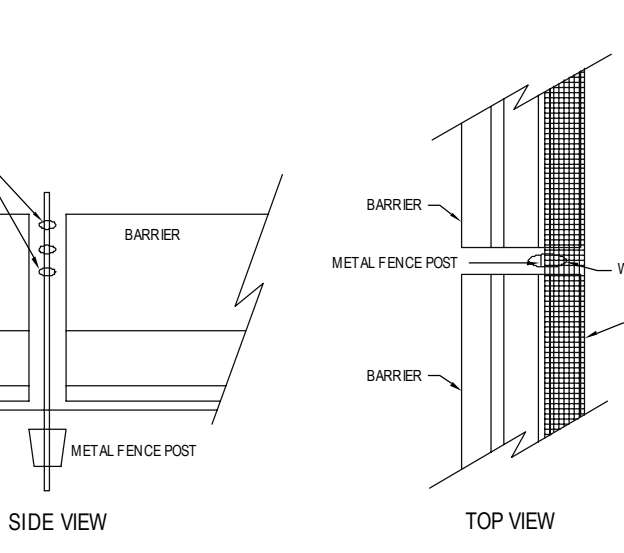
SILT FENCE SUPER DUTY STOCK PILE CONTAINMENT



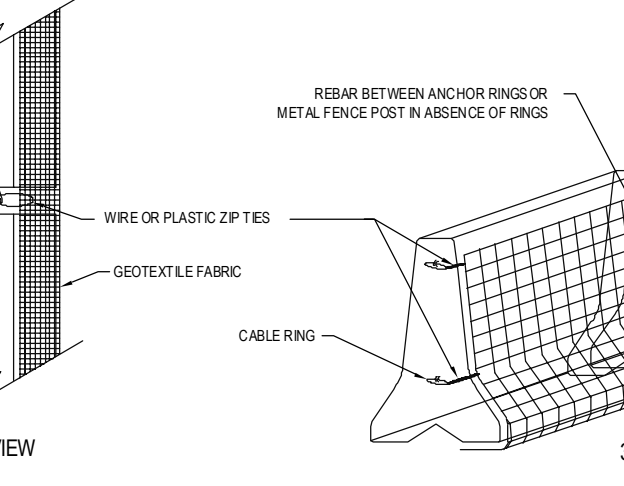
SILT FENCE SUPER DUTY CURB AND GUTTER PROTECTION SYSTEM



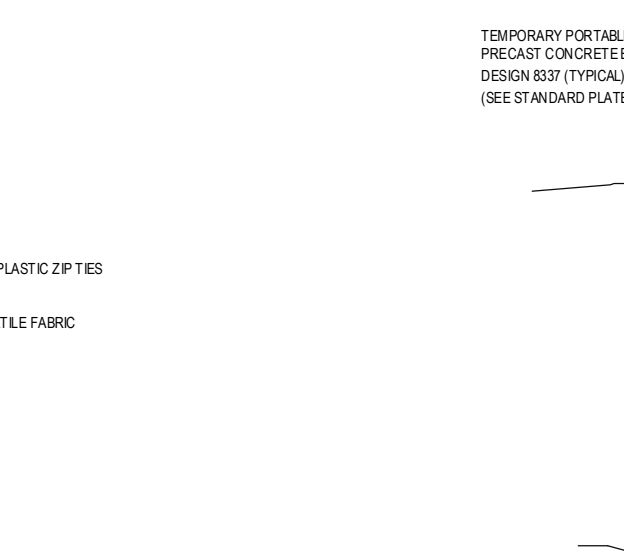
SILT FENCE SUPER DUTY STOCK PILE SEDIMENT CONTROL



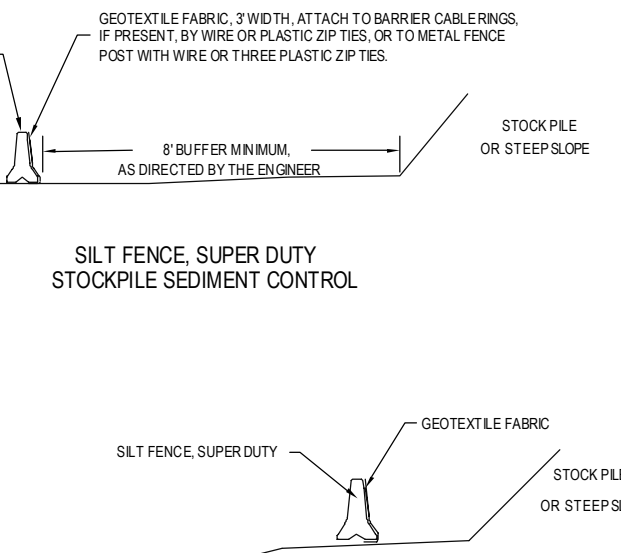
BARRIER WITHOUT CABLE RINGS



BARRIER WITH CABLE RINGS



SILT FENCE SUPER DUTY DITCH PROTECTION SYSTEM



SILT FENCE SUPER DUTY DITCH PROTECTION SYSTEM

- NOTES:
1. PLACE STOCK PILES NEXT TO AN ENVIRONMENTALLY SENSITIVE AREA IS NOT RECOMMENDED WHEN THERE ARE NO FEASIBLE ALTERNATIVES. THE SUPER DUTY SILT FENCE IS TO BE USED AS SHOWN OR AS DIRECTED BY THE ENGINEER.
  2. CRITICAL AREAS INCLUDE WETLANDS, JURIDICAL DITCHES, STREAMS, WATER BODIES, AND OTHER AREAS REQUIRING PROTECTION.

TEMPORARY SEDIMENT CONTROL SUPER DUTY SILT FENCE

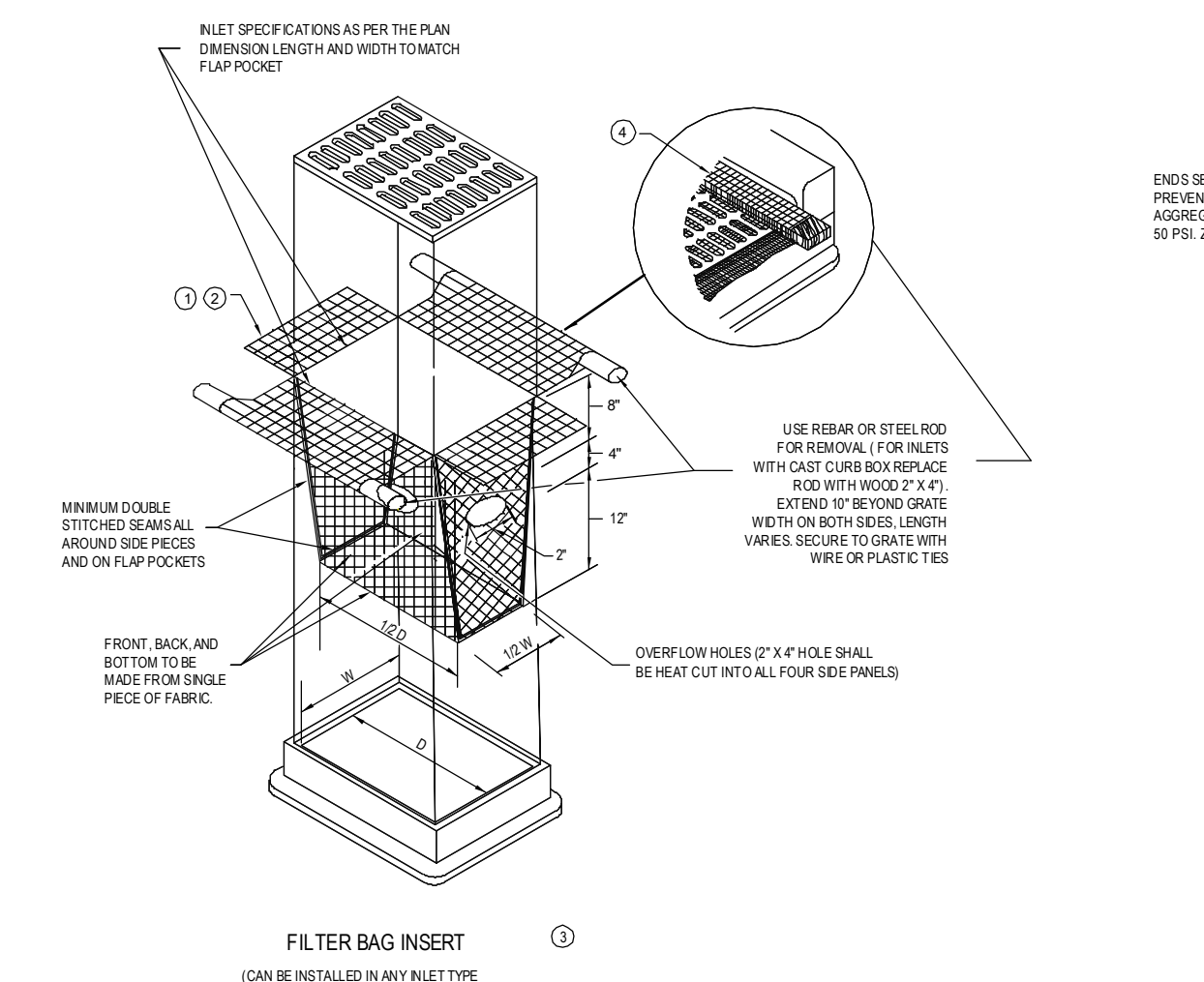
STANDARD SPEC. 5-297.408 (2 of 2)  
 STANDARD APPROVED SEPTEMBER 27, 2006

**Design Tree**  
 ENGINEERS AND LAND SURVEYORS  
 2510 Broadway Street South  
 Alexandria, MN 56308  
 (320) 762-1300 (Phone)  
 (320) 762-8554 (Fax)

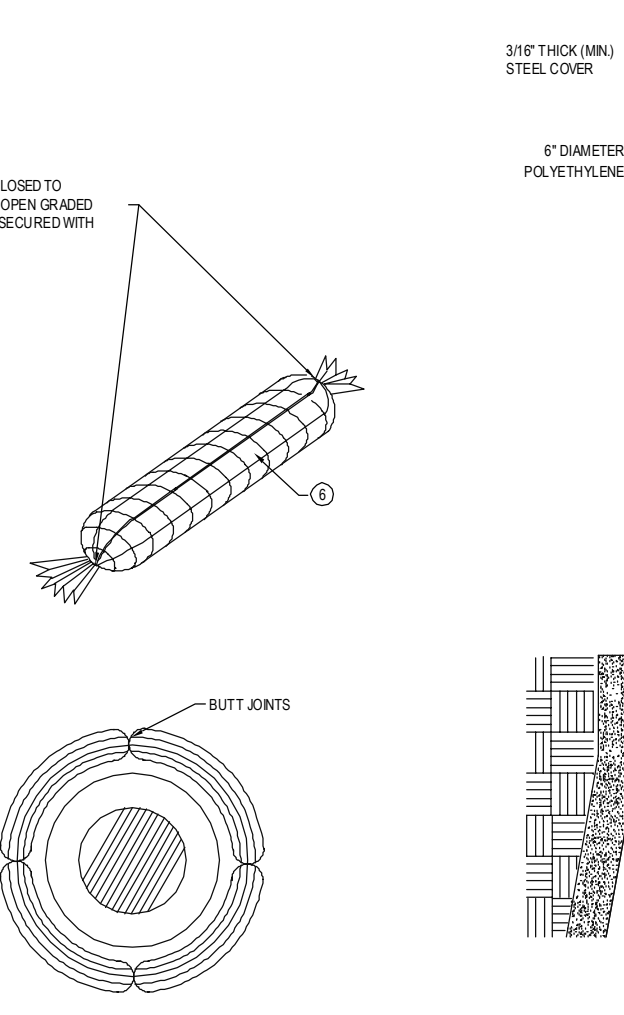
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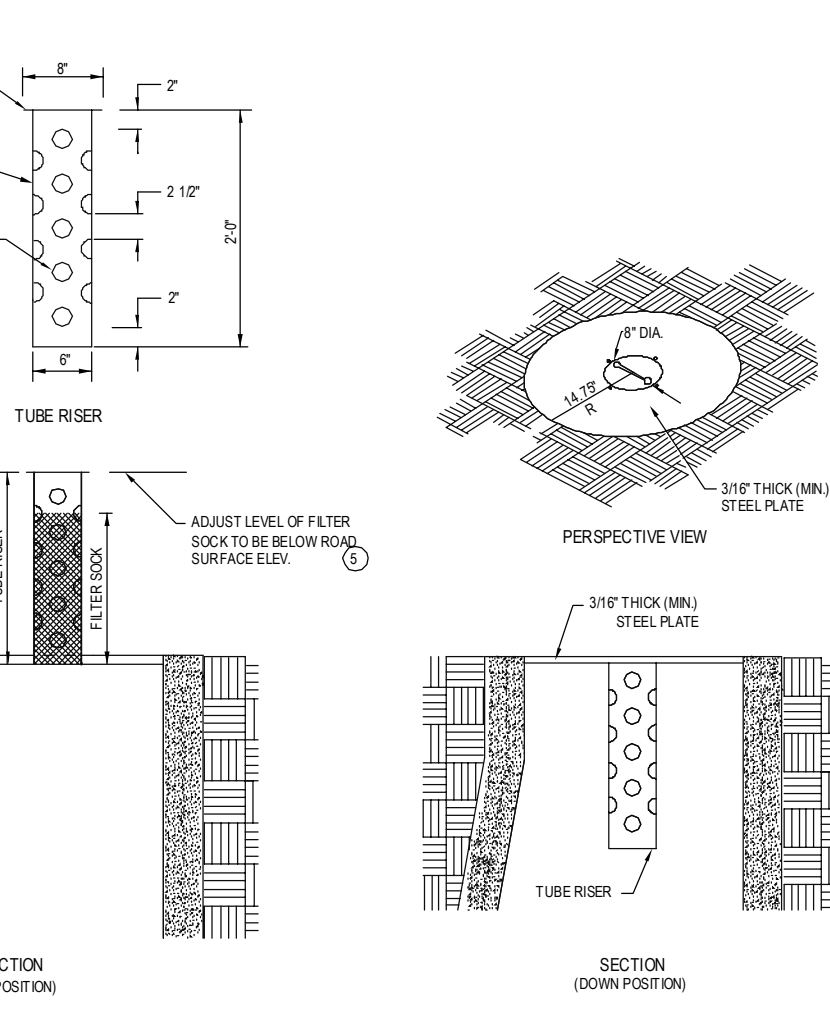
*Jeremy E. Anderson*  
 JEREMY E. ANDERSON  
 DATE: 03-09-15 LICENSE #: 44223



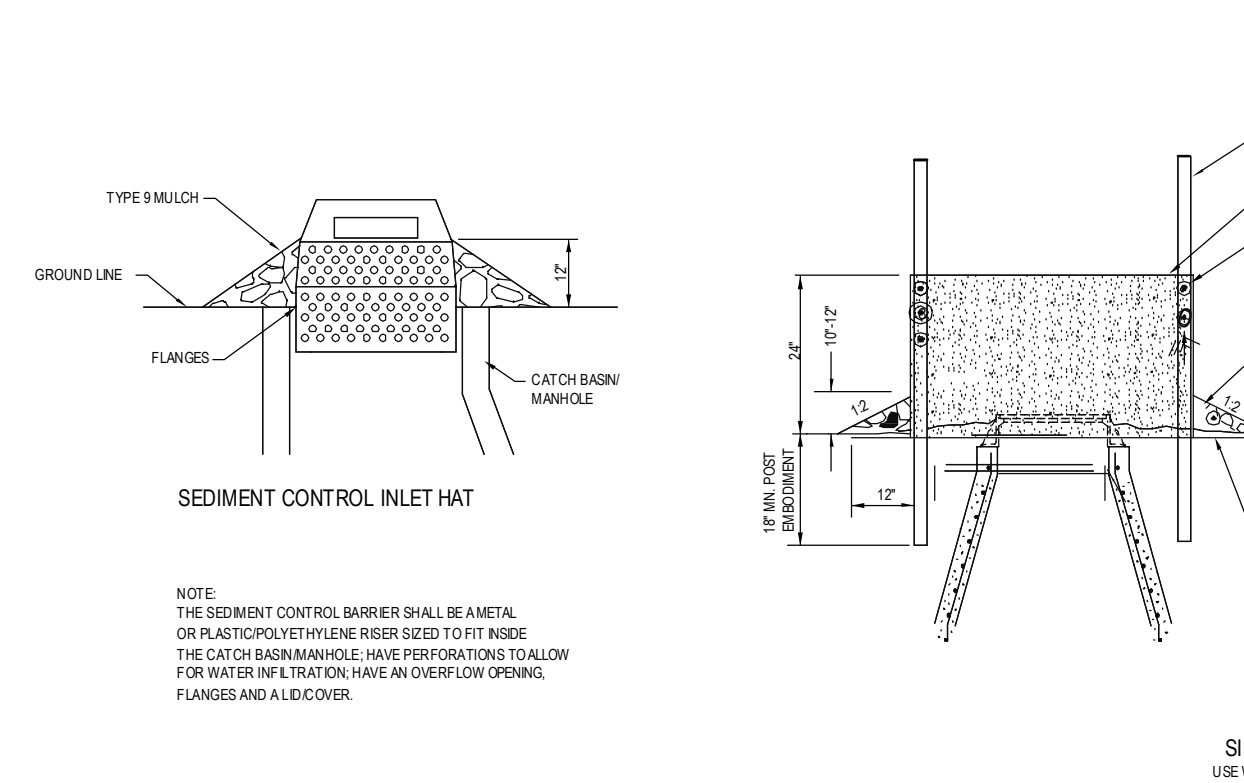
FILTER BAG INSERT



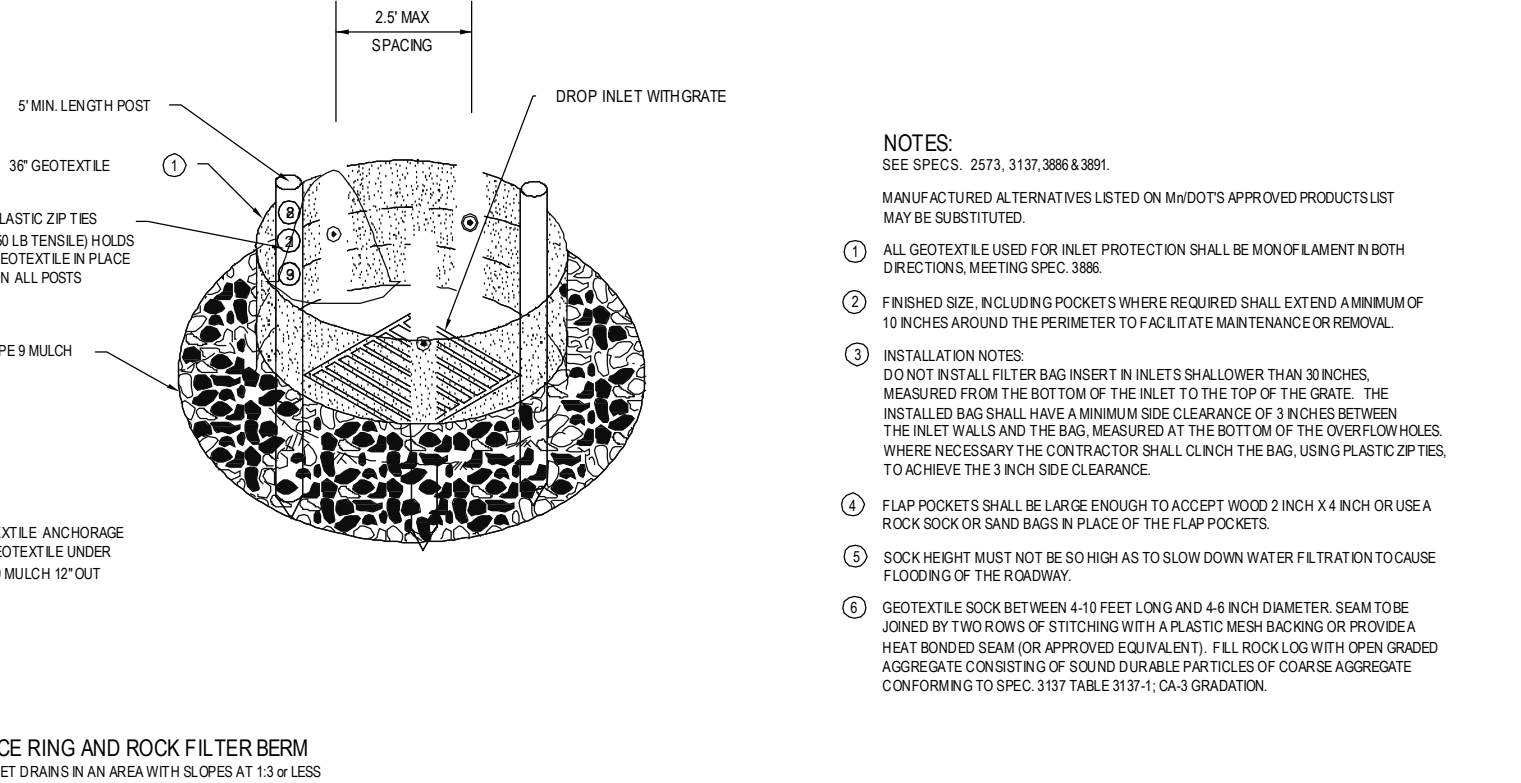
ROCK LOG/COMPOST LOG



POP-UP HEAD

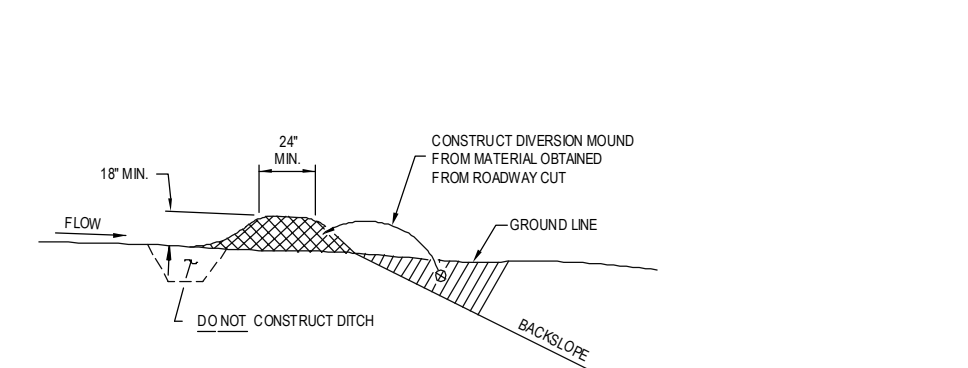


SEDIMENT CONTROL INLET HAT



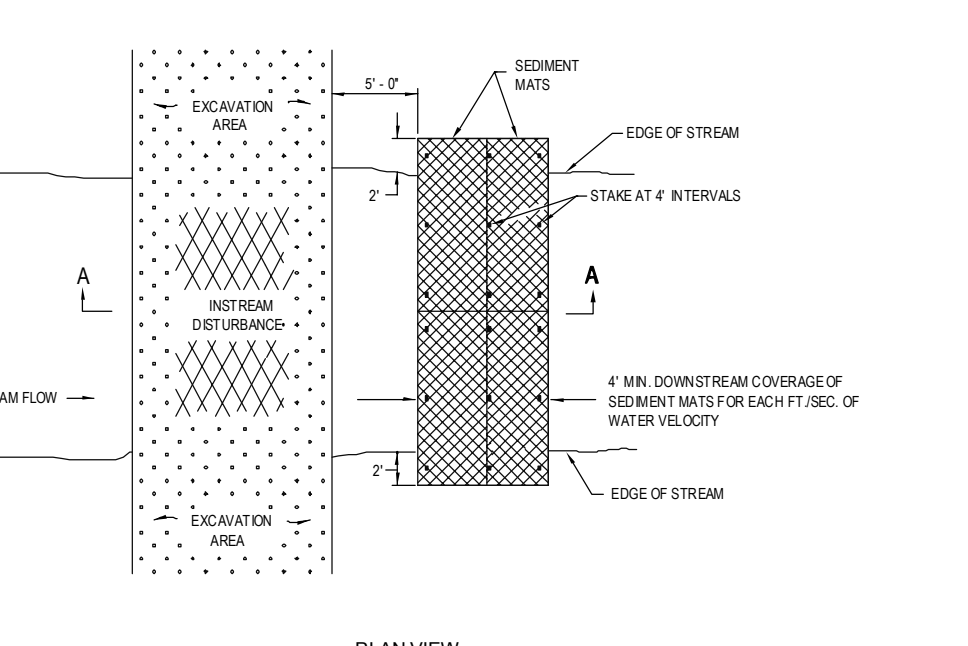
SILT FENCE RING AND ROCK FILTER BERM

- NOTES:
1. MANUFACTURED ALTERNATIVES LISTED ON MNDOT'S APPROVED PRODUCTS LIST MAY BE SUBSTITUTED.
  2. ALL GEOTEXTILES USED FOR INLET PROTECTION SHALL BE MONO-DIRECTIONAL WITH DIRECTIONS MEETING SPEC. 3866.
  3. FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 6 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OPERATIONS.
  4. INSTALLATION NOTES: DO NOT INSTALL FILTER BAG INSERT IN INLETS SHALLOWER THAN 3 INCHES. MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIZE CLEARANCE OF 3 INCHES BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES. WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG USING PLASTIC ZP TIES TO ACHIEVE THE INCH SIZE CLEARANCE.
  5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 INCH X 4 INCH OR USE A ROCK SOCK OR SAND BAGS IN PLACE OF THE FLAP POCKETS.
  6. ROCK SOCK MUST NOT BE SO HIGH AS TO SLOW DOWN WATER FILTRATION TO CAUSE FLOODING OF THE ROADWAY.
  7. GEOTEXTILE SOCK BETWEEN 4-10 FEET LONG AND 4-8 INCH DIAMETER SEAM TO BE JOINED BY TWO ROWS OF STITCHING WITH A PLASTIC MESH BACKING OR PROVIDE A HEAT FUSED SEAM OR APPROVED EQUIVALENT. ALL ROCK SOCKS WITH OPEN GRADED AGGREGATE CONSISTING OF 3/4\"/>



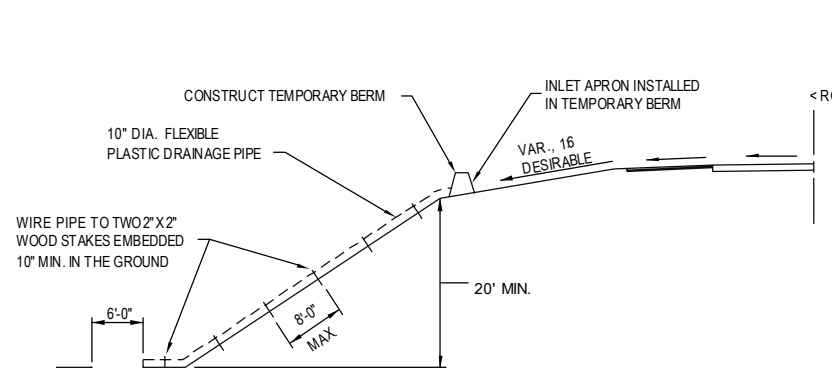
DIVERSION MOUND

- DESIGN GUIDELINES:
- STORM FREQUENCY: 10 YEAR - 24 HOUR
  - MAXIMUM DRAINAGE AREA: 3 ACRES
  - MAXIMUM DIVERSION: GRADE 0%



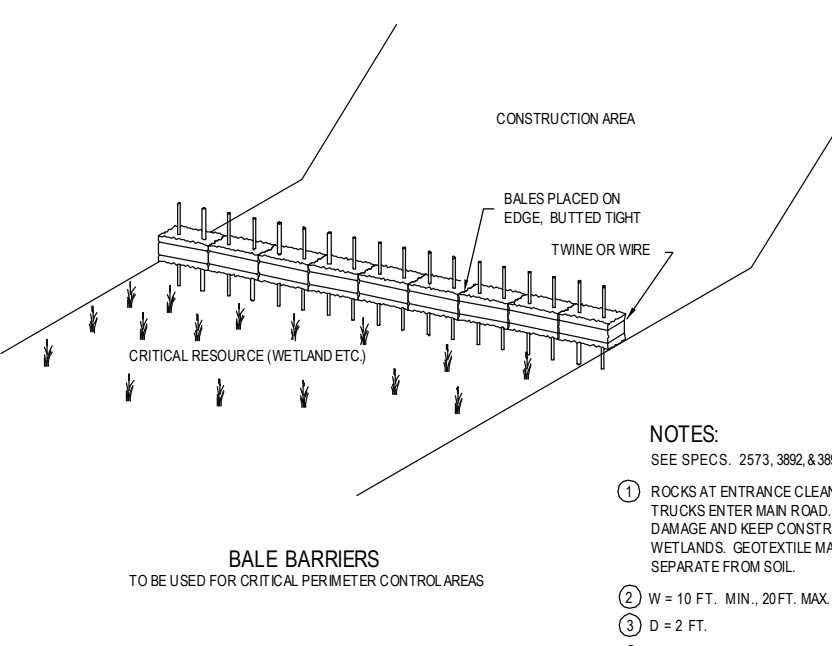
SEDIMENT MAT

- DESIGN GUIDELINES:
- MAXIMUM FLOW VELOCITY: 4 FT./SEC.
  - MAXIMUM FLOW DEPTH: 2 FT.



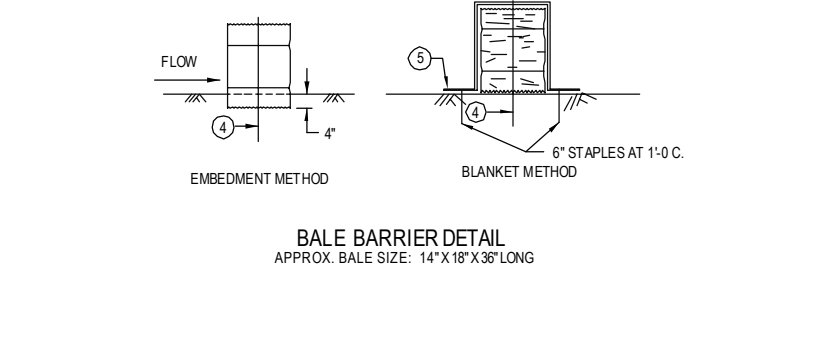
TEMPORARY DOWN DRAIN ON FILL SLOPE

- DESIGN GUIDELINES:
- STORM FREQUENCY: 2 YEAR - 24 HOUR
  - MAXIMUM DRAINAGE AREA: 3 ACRES



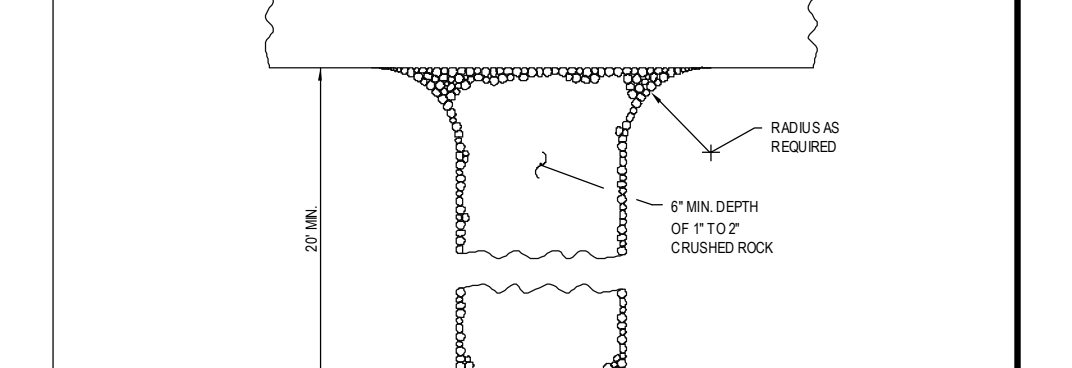
ROCK CONSTRUCTION ENTRANCE

- NOTES:
1. ROCK SIZE SHOULD BE 1\"/>



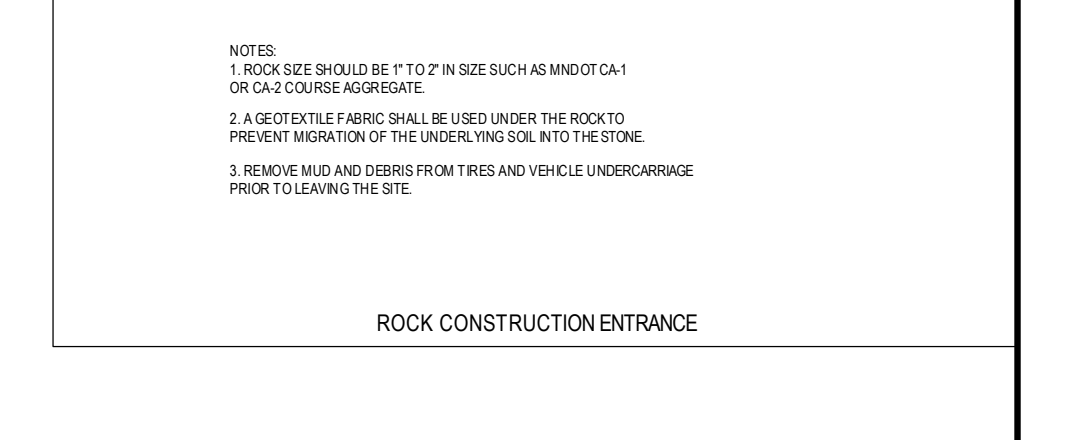
BAFFLE BARRIER

- DESIGN GUIDELINES:
- APPROX. BAFFLE SIZE: 14\"/>



ROCK CONSTRUCTION ENTRANCE

- NOTES:
1. ROCK SIZE SHOULD BE 1\"/>



SEDIMENT TRAP DETAIL

- NOTES:
1. ROCKS AT ENTRANCE CLEAN WORKSITE MUD OFF OF TRUCK TIRES BEFORE TRUCKS ENTER MAIN ROAD. KEEPING MUD OFF THE ROAD WILL PREVENT AUTO CLEANING AND KEEP CONSTRUCTION SEDIMENT OUT OF DRAINAGE SYSTEMS AND WETLANDS. GEOTEXTILE MAY BE PLACED UNDER THE ROCK TO KEEP ROCKS SEPARATE FROM SOIL.
  2. 16\"/>

**CASEY'S** General Store

CASEY'S CONSTRUCTION DIVISION  
 One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: LESTER PRAIRIE, MN  
 DRAWING INFORMATION: CONSTRUCTION DIVISION  
 DRAWN BY: RJK

PUBLISHED: 03-09-15  
 CHECKED BY: JEA

EROSION CONTROL DETAILS  
**C1.3**



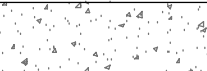

**Design Tree**  
ENGINEERING AND  
LAND SURVEYING

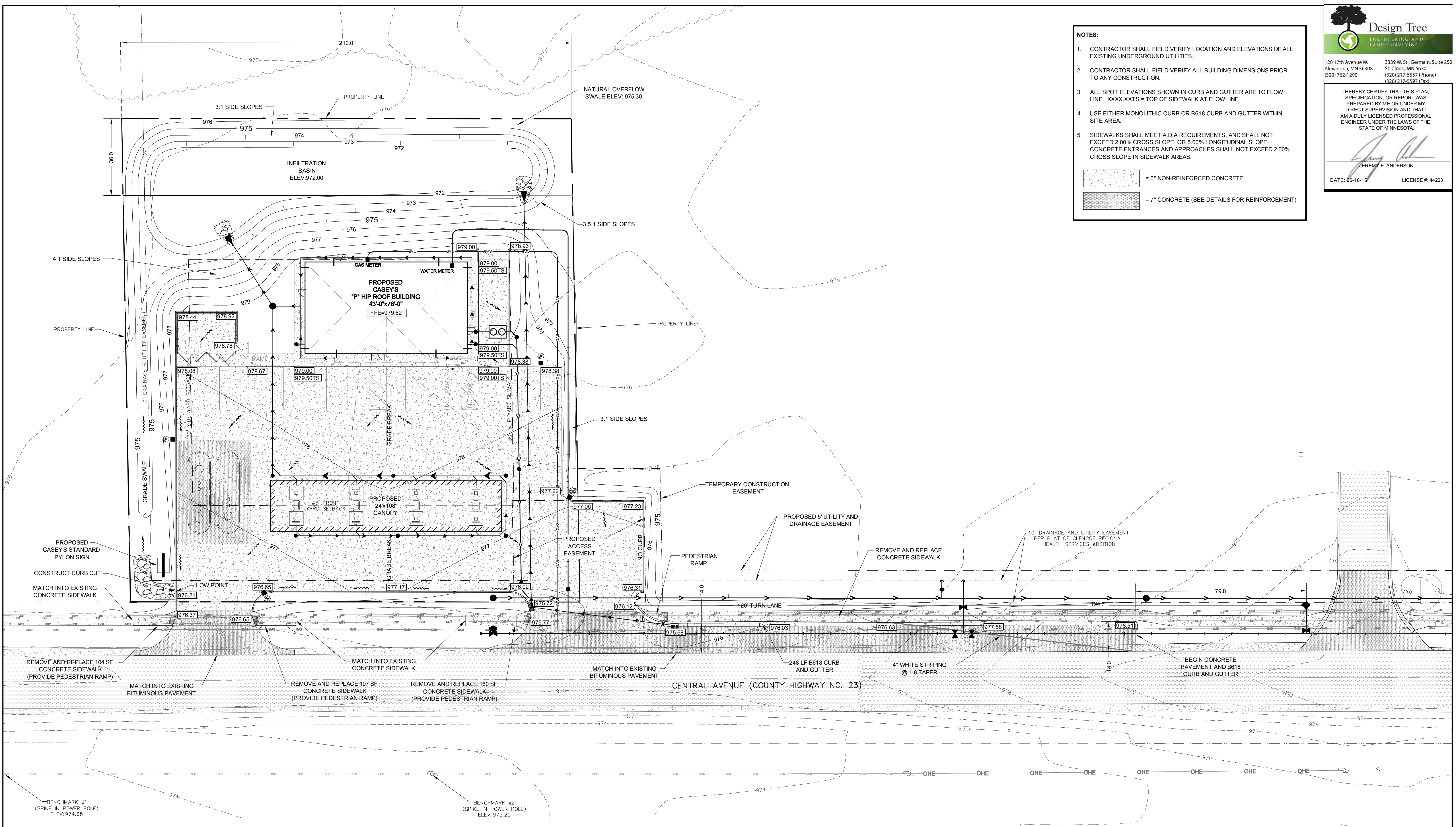
120 17th Avenue W. Alexandria, MN 56308 (320) 762-1290

3339 W. St. Germain, Suite 250 St. Cloud, MN 56301 (320) 217-5557 (Phone) (320) 217-5597 (Fax)

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*Jeremy E. Anderson*  
JEREMY E. ANDERSON  
DATE: 06-18-15 LICENSE #: 44223

- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATIONS OF ALL EXISTING UNDERGROUND UTILITIES.
  - CONTRACTOR SHALL FIELD VERIFY ALL BUILDING DIMENSIONS PRIOR TO ANY CONSTRUCTION.
  - ALL SPOT ELEVATIONS SHOWN IN CURB AND GUTTER ARE TO FLOW LINE. XXXX.XXTS = TOP OF SIDEWALK AT FLOW LINE
  - USE EITHER MONOLITHIC CURB OR B618 CURB AND GUTTER WITHIN SITE AREA.
  - SIDEWALKS SHALL MEET A.D.A REQUIREMENTS, AND SHALL NOT EXCEED 2.00% CROSS SLOPE, OR 5.00% LONGITUDINAL SLOPE. CONCRETE ENTRANCES AND APPROACHES SHALL NOT EXCEED 2.00% CROSS SLOPE IN SIDEWALK AREAS.
-  = 6" NON-REINFORCED CONCRETE  
 = 7" CONCRETE (SEE DETAILS FOR REINFORCEMENT)



BENCHMARK #1  
(SPIKE IN POWER POLE)  
ELEV: 974.68

BENCHMARK #2  
(SPIKE IN POWER POLE)  
ELEV: 975.29

**TRUE PLAN**  
C2.0 Grading Plan  
1" = 20'

**BENCHMARK INFORMATION:**  
 BENCHMARK #1: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., West of the subject property. Elev: 974.68  
 BENCHMARK #2: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., South of the subject property. Elev: 975.29

**CASEY'S Construction**

CASEY'S CONSTRUCTION DIVISION  
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT	PURPOSE	DRAWING INFORMATION
LESTER PRAIRIE, MN	03-09-15	GRADING PLAN
"P" STYLE STORE - HIP ROOF	05-26-15	
	06-18-15	
DRAWING INFORMATION	DRAWN BY	CHECKED BY
CONSTRUCTION DIVISION	RJK	JEA

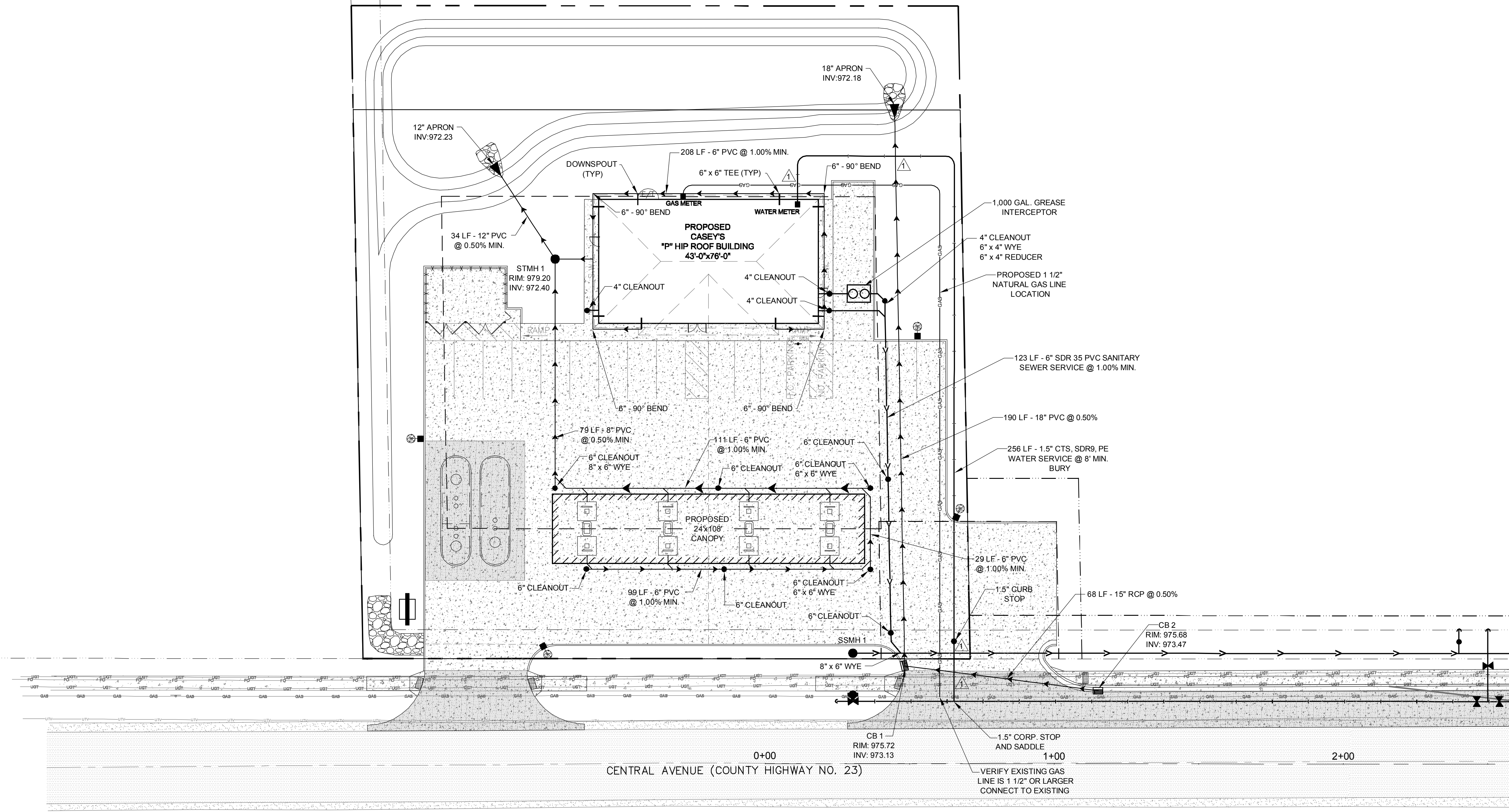
**C2.0**



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*Jeremy E. Anderson*  
JEREMY E. ANDERSON

DATE: 06-18-15 LICENSE #: 44223



**GENERAL NOTES:**

- THE LOCATIONS AND ELEVATIONS OF THE EXISTING UTILITIES SHOWN HEREIN ARE APPROXIMATE. THEY HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND/OR RECORDS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ANY EXISTING UTILITIES (SHOWN OR NOT SHOWN) ARE NOT DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATIONS OF ALL EXISTING UNDERGROUND UTILITIES.
- CONTRACTOR SHALL FIELD VERIFY ALL BUILDING DIMENSIONS PRIOR TO ANY CONSTRUCTION.
- WATER SERVICE PIPE SHALL BE 1.5" CTS, SDR9, PE.
- ALL PVC STORM SEWER PIPE AND FITTINGS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM D-3034, "STANDARD SPECIFICATION FOR PVC SEWER PIPE AND FITTINGS" OR ASTM F-679, "STANDARD SPECIFICATION FOR PVC LARGE DIAMETER PLASTIC GRAVITY SEWER PIPE AND FITTINGS".
- ALL PVC STORM SEWER PIPE JOINTS SHALL BE GASKETED, BELL AND SPIGOT, PUSH-ON TYPE CONFORMING TO ASTM D3212, "STANDARD SPECIFICATION FOR JOINTS FOR DRAIN AND SEWER PLASTIC PIPES USING FLEXIBLE ELASTOMERIC SEALS".
- SANITARY SEWER SERVICE PIPE AND FITTINGS SHALL BE SDR 35 PVC.
- ALL PIPING SHALL BE TESTED IN ACCORDANCE WITH THE MINNESOTA STATE PLUMBING CODE.
- CATCH BASINS IN CURB AND GUTTER SHALL HAVE MNDOT 4129 CASTING WITH MNDOT 4152 GRATE AND MNDOT 4160 CURB BOX.
- CATCH BASINS IN APPROACH SHALL HAVE MNDOT 4132 CASTING WITH MNDOT 4152 GRATE. (NO CURB BOX).
- MANHOLES SHALL HAVE MNDOT 700-7 CASTING WITH MNDOT 716 COVER.
- PLUMBER TO COORDINATE IRRIGATION SYSTEM DESIGN AND FEEDMETER LOCATION WITH CITY UTILITY DEPARTMENT.
- ALL OFFSITE IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE OWNER BUT SHALL BE PUBLIC IMPROVEMENTS OWNED AND MAINTAINED BY THE CITY (SEWER AND WATERMANS) OR MCLEOD COUNTY (STORM SEWER AND ROADWAY IMPROVEMENTS).
- ALL IMPROVEMENTS SHALL REMAIN VISIBLE UNTIL INSPECTION BY THE CITY'S PUBLIC WORKS STAFF OR THE CITY ENGINEER.
- IN WET OR UNSUITABLE MATERIALS, PIPE SHALL BE BEDDED IN CRUSHED ROCK.
- GRAVITY SEWER PIPE MUST BE INSTALLED UNDER DRY FOUNDATION CONDITIONS. THE CONTRACTOR SHALL DETERMINE DEWATERING NEEDS, DESIGN, IMPLEMENT, AND PERMIT A DEWATERING SYSTEM FOR PIPE INSTALLATION.

**PLAN NOTES:**

WHERE THE WATER SERVICE PIPE MUST CROSS THE BUILDING SEWER, THE BOTTOM OF THE WATER SERVICE PIPE LOCATED WITHIN TEN FEET OF THE POINT OF CROSSING SHALL BE AT LEAST 12 INCHES ABOVE THE TOP OF THE SEWER, EXCEPT WHERE THIS IS NOT FEASIBLE, THE SEWER SHALL BE OF CAST IRON OR PLASTIC 6A, 6B, 6C(2), 6C(3), OR 6C(4) (part 4715.0420, subpart 3) FOR AT LEAST TEN FEET ON EITHER SIDE OF THE CROSSING.

DESCRIPTION	STRUCTURE TYPE
CB 1	MNDOT STORM MANHOLE 48-4020
CB 2	MNDOT STORM MANHOLE 48-4020
STMH 1	MNDOT STORM MANHOLE 48-4020

TRUE PLAN  
NORTH NORTH  
**C3.0** Utility Plan  
1" = 20'

**BENCHMARK INFORMATION:**  
BENCHMARK #1: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., West of the subject property. Elev 974.68  
BENCHMARK #2: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., South of the subject property. Elev 975.29

**CASEY'S Construction**  
CASEY'S CONSTRUCTION DIVISION  
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT	DATE	DRAWING INFORMATION
LESTER PRAIRIE, MN	03-09-15	UTILITY PLAN
"P" STYLE STORE - HIP ROOF	05-26-15	
	06-18-15	

DRAWING INFORMATION:  
CONSTRUCTION DIVISION  
DRAWN BY: RJK CHECKED BY: JEA  
**C3.0**



**Design Tree**  
ENGINEERING AND SURVEYING

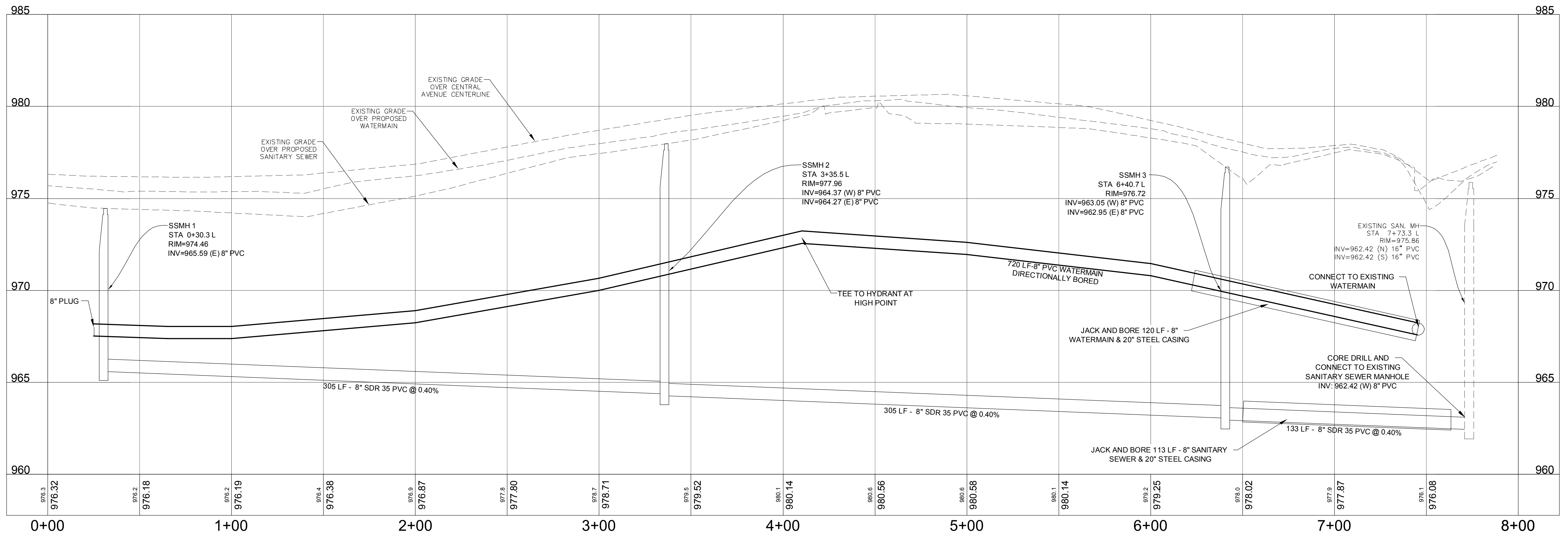
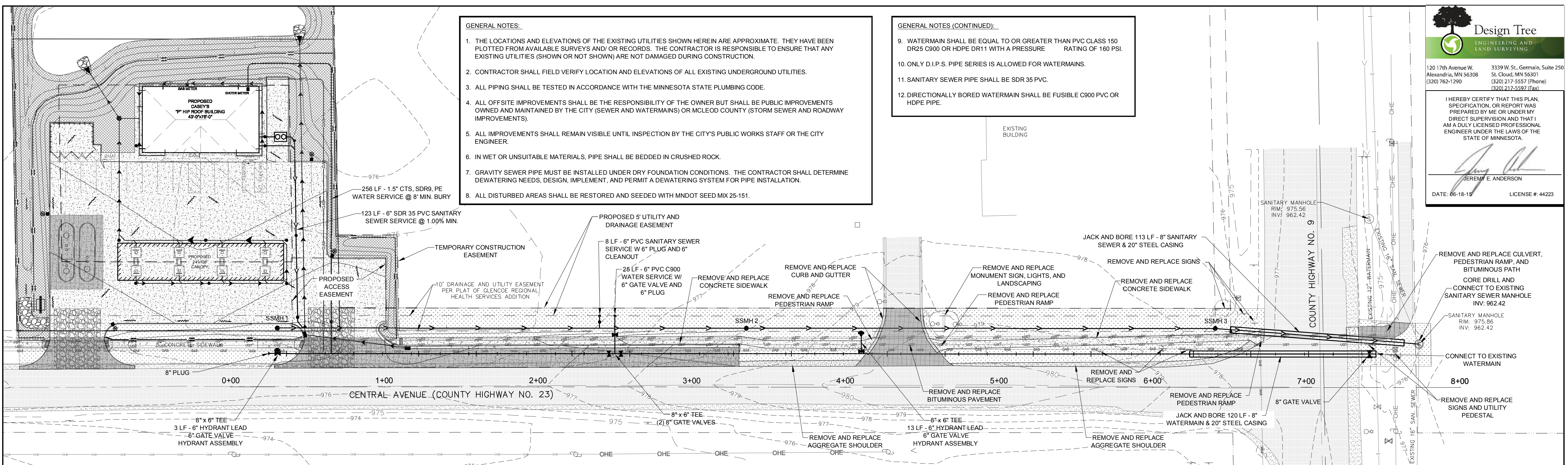
120 17th Avenue W. Alexandria, MN 56308 (320) 762-1290  
3339 W. St., Germain, Suite 250 St. Cloud, MN 56301 (320) 217-5557 (Phone) (320) 217-5597 (Fax)

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*Jeremy E. Anderson*  
JEREMY E. ANDERSON  
DATE: 06-18-15 LICENSE #: 44223

- GENERAL NOTES:**
1. THE LOCATIONS AND ELEVATIONS OF THE EXISTING UTILITIES SHOWN HEREIN ARE APPROXIMATE. THEY HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND/OR RECORDS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ANY EXISTING UTILITIES (SHOWN OR NOT SHOWN) ARE NOT DAMAGED DURING CONSTRUCTION.
  2. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATIONS OF ALL EXISTING UNDERGROUND UTILITIES.
  3. ALL PIPING SHALL BE TESTED IN ACCORDANCE WITH THE MINNESOTA STATE PLUMBING CODE.
  4. ALL OFFSITE IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE OWNER BUT SHALL BE PUBLIC IMPROVEMENTS OWNED AND MAINTAINED BY THE CITY (SEWER AND WATERMAINS) OR MCLEOD COUNTY (STORM SEWER AND ROADWAY IMPROVEMENTS).
  5. ALL IMPROVEMENTS SHALL REMAIN VISIBLE UNTIL INSPECTION BY THE CITY'S PUBLIC WORKS STAFF OR THE CITY ENGINEER.
  6. IN WET OR UNSUITABLE MATERIALS, PIPE SHALL BE BEDDED IN CRUSHED ROCK.
  7. GRAVITY SEWER PIPE MUST BE INSTALLED UNDER DRY FOUNDATION CONDITIONS. THE CONTRACTOR SHALL DETERMINE DEWATERING NEEDS, DESIGN, IMPLEMENT, AND PERMIT A DEWATERING SYSTEM FOR PIPE INSTALLATION.
  8. ALL DISTURBED AREAS SHALL BE RESTORED AND SEEDED WITH MNDOT SEED MIX 25-151.

- GENERAL NOTES (CONTINUED):**
9. WATERMAIN SHALL BE EQUAL TO OR GREATER THAN PVC CLASS 150 DR25 C900 OR HDPE DR11 WITH A PRESSURE RATING OF 160 PSI.
  10. ONLY D.I.P.S. PIPE SERIES IS ALLOWED FOR WATERMAINS.
  11. SANITARY SEWER PIPE SHALL BE SDR 35 PVC.
  12. DIRECTIONALLY BORED WATERMAIN SHALL BE FUSIBLE C900 PVC OR HDPE PIPE.



**BENCHMARK INFORMATION:**

BENCHMARK #1: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., West of the subject property. Elev: 974.66

BENCHMARK #2: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., South of the subject property. Elev: 975.29

**TRUE PLAN** **C3.2** Watermain & Sanitary Sewer Plan & Profile  
1" = 30'

**CASEY'S** General Store

CASEY'S CONSTRUCTION DIVISION  
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: LESTER PRAIRIE, MN  
"P" STYLE STORE-HIP ROOF

ISSUED: 03-09-15  
REVISED: 05-26-15, 06-18-15

DRAWING INFORMATION: CONSTRUCTION DIVISION  
DRAWN BY: RJK  
CHECKED BY: JEA

CONTRACT INFORMATION: WATERMAIN & SANITARY SEWER PLAN & PROFILE  
C3.1

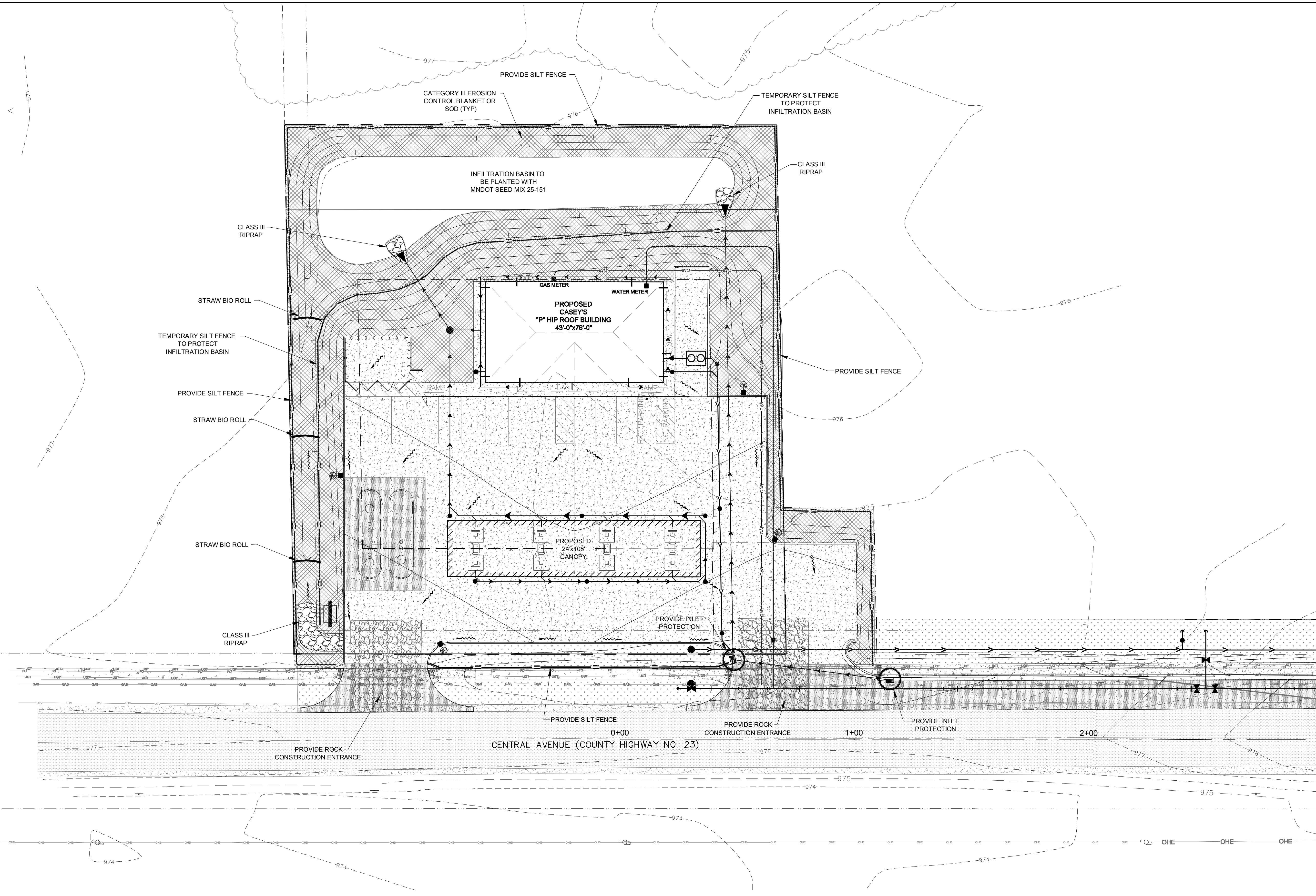


**Design Tree**  
ENGINEERING AND LAND SURVEYING

120 17th Avenue W. Alexandria, MN 56308 (320) 762-1290  
3339 W. St. Germain, Suite 250 St. Cloud, MN 56301 (320) 217-5557 (Phone) (320) 217-5597 (Fax)

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*Jeremy E. Anderson*  
JEREMY E. ANDERSON  
DATE: 06-18-15 LICENSE #: 44223



- NOTES:**
- ALL DISTURBED AREAS SHALL BE RESTORED WITH MNDOT SEED MIX 25-151 AND OR SOD.
  - CATEGORY III EROSION CONTROL BLANKET SHALL BE INSTALLED AROUND ENTIRE PERIMETER AND BOTTOM OF INFILTRATION BASIN, AND IN SWALES AS SHOWN ON PLANS, UNLESS AREA IS TO BE SODDED. SOD IMMEDIATELY AFTER GRADING.
  - INLET PROTECTION SHALL BE PROVIDED ON ALL CATCH BASINS AND INLETS DOWN GRADIENT OF CONSTRUCTION ACTIVITY.
  - PROVIDE SILT FENCE PERIMETER CONTROL AROUND ENTIRE CONSTRUCTION ACTIVITY, AND ALL TEMPORARY STOCKPILES.
  - PROVIDE TEMPORARY SILT FENCE AROUND PERIMETER OF INFILTRATION BASIN.
  - TEMPORARY ROCK ENTRANCES SHALL BE INSTALLED AFTER BACKFILLING OF FOUNDATION AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
  - NO OFFSITE VEHICLE TRACKING IS PERMITTED. STREETS SHALL BE CLEANED AND SWEEPED WHENEVER TRACKING OF SEDIMENTS OCCUR AND WITHIN 24 HOURS OF DISCOVERY/NOTICE.
  - REFER TO SWPPP TEMPLATE AND THE CITY OF LESTER PRAIRIE EROSION CONTROL REQUIREMENTS FOR FURTHER EROSION CONTROL SEQUENCING.
  - REFER TO INFILTRATION BASIN DETAIL FOR FURTHER CONSTRUCTION SEQUENCING AND STABILIZATION REQUIREMENTS.
  - ALL AREAS DISTURBED WITHIN RIGHT OF WAY FOR THE INSTALLATION OF THE SANITARY SEWER SHALL BE RESTORED WITH MNDOT SEED MIX 25-151.

TRUE PLAN  
C4.0 Erosion Control Plan  
1" = 20'

BENCHMARK INFORMATION:

BENCHMARK #1: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., West of the subject property. Elev. 974.68

BENCHMARK #2: Railroad spike approx. 1' above ground on the north side of power pole located on the south side of Central Ave., South of the subject property. Elev. 975.29

**CASEY'S** Construction Division  
One Convenience Blvd., P.O. Box 3001, Ankeny, Ia. 50021 515-965-6100

PROJECT: LESTER PRAIRIE, MN  
"P" STYLE STORE - HIP ROOF

CONSTRUCTION DIVISION

DATE: 03-09-15  
05-26-15  
06-18-15

EROSION CONTROL PLAN

C4.0