

11 NO SCALE TITLE

9 NO SCALE NOTES

DOWEL BARS SHALL BE A MINIMUM OF 17 3/4" IN LENGTH.

THE CONTRACTOR MAY SUBSTITUTE OTHER DESIGNS FOR EXPANSION AND CONTRACTION JOINT SUPPORTS IN LIEU OF THE TYPE SHOWN WITH PRIOR WRITTEN APPROVAL BY THE ENGINEER.

TIE BARS SHALL BE DEFORMED BARS AND ALL OTHERS SHALL BE SMOOTH.

FOR LOAD TRANSFER DEVICES AT EXPANSION JOINTS IN LANES OTHER THAN THE 12 FT. AND 15' LANES SHOWN, MAINTAIN THE SPACING OF THE 18" DOWEL BARS AT 1 FT. INTERVALS.

THE ENDS OF THE No. 4 SPACER BARS SHALL NOT BE LESS THAN 3 IN. FROM THE EDGES OF THE PAVEMENT OR THE LONGITUDINAL JOINT.

THE CONTRACTOR MAY USE A MACHINE FOR PLACING THE LONGITUDINAL TIE BARS IN LIEU OF THE TIE BAR PINS. IF A MECHANICAL TIE BAR PLACEMENT MACHINE IS NOT USED, THE BAR PINS AS SHOWN SHALL BE USED.

TIE, DOWEL & SPACER BARS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. ALL BARS IN PAVEMENT SHALL BE EPOXY COATED.

KEY TYPE LONGITUDINAL JOINTS AND TRANSVERSE CONSTRUCTION JOINTS SHALL BE EDGED WITH 1/4" R. AT TIME OF CONCRETE PLACEMENT.

EXPANSION JOINTS SHALL BE INSTALLED AT LOCATIONS SHOWN IN THE PLANS.

PAVEMENT PLACED ADJACENT TO RAILROAD TRACKS REQUIRES 3-EXPANSION JOINTS SPACED AT APPROXIMATELY 49'-6" INTERVALS.

EXPANSION JOINTS SHALL NOT BE SKEWED.

T=PAVEMENT THICKNESS.

6 NO SCALE LONGITUDINAL JOINT - KEY TYPE

3 NO SCALE TIE BAR DETAIL - EXISTING/NEW PAVEMENT

12 NO SCALE TITLE

3 NO SCALE TIE BAR DETAIL - EXISTING/NEW PAVEMENT

PRELIMINARY PLAN
 NOT TO BE USED FOR CONSTRUCTION

Project Title:
 PROJ1
 PROJ2
 CLIENT1
 CLIENT2

Sheet Title:
PAVEMENT JOINT DETAILS
 Date Issued: *DATE*

Project: *PROJ#
 CAD File: *CAD*
 Design Drawing Check
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Sheet No.
C-7.XX

PRELIMINARY PLAN
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 CONSTRUCTION

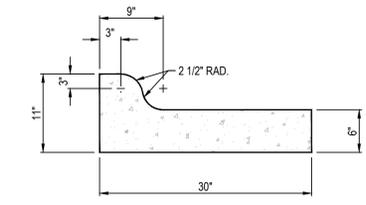
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 PROJ1
 PROJ2
 CLIENT1
 CLIENT2

Sheet Title:
RADIUS & CROSSSPAN DETAILS
ADA RAMP DETAILS

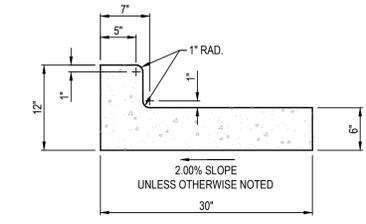
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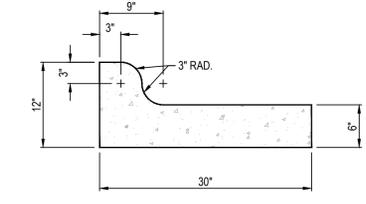
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C-7.XX



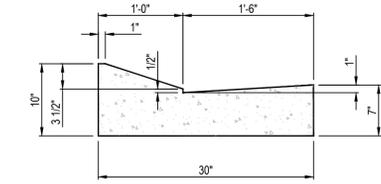
5" STANDARD
 (PARKING LOT)



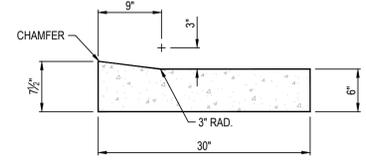
SQUARE



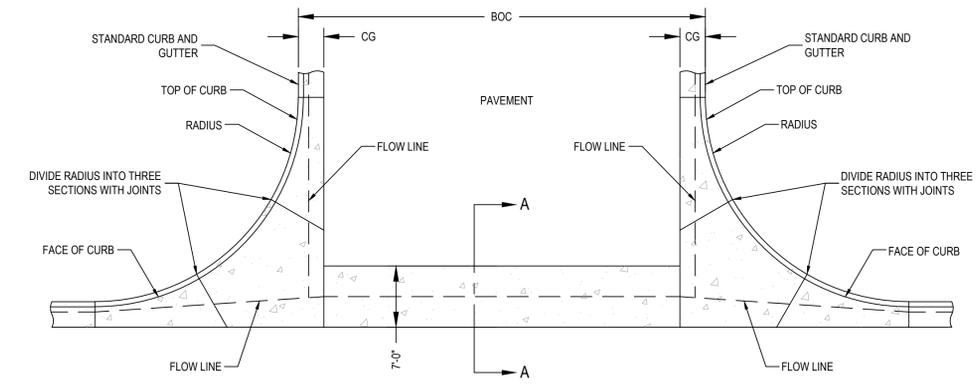
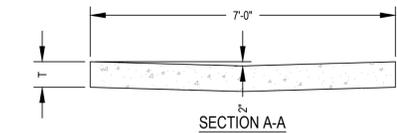
6" STANDARD
 (STREETS)



ROLLOVER



DRIVEWAY

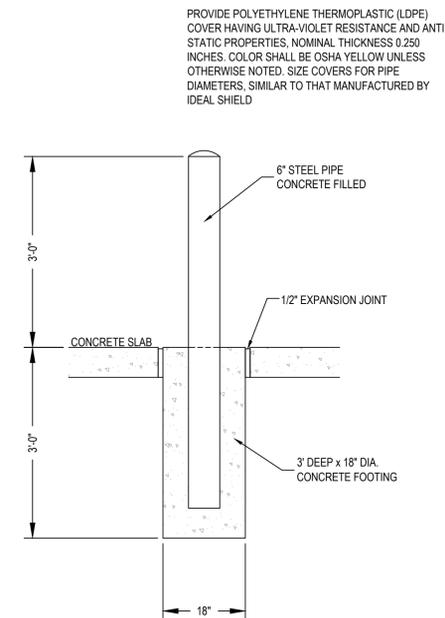
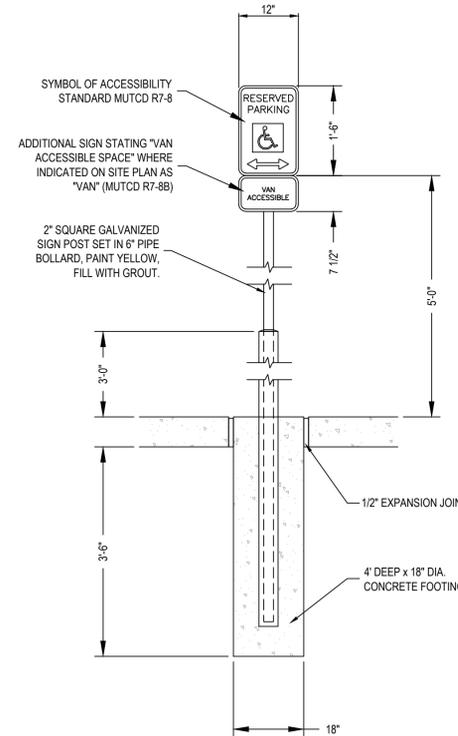
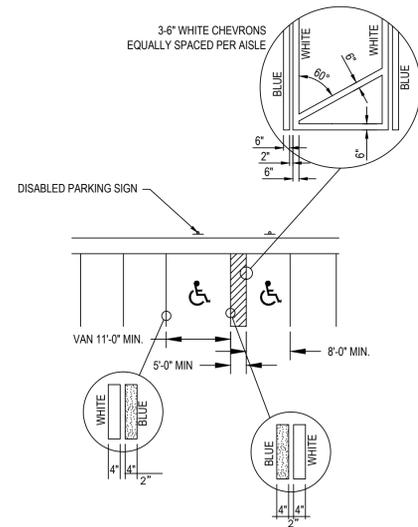
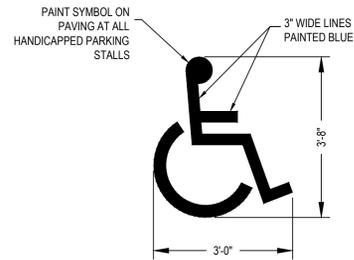


3 NO SCALE TITLE

1 NO SCALE CURB & GUTTER

4 NO SCALE TITLE

2 NO SCALE STANDARD RADIUS AND CROSS PAN



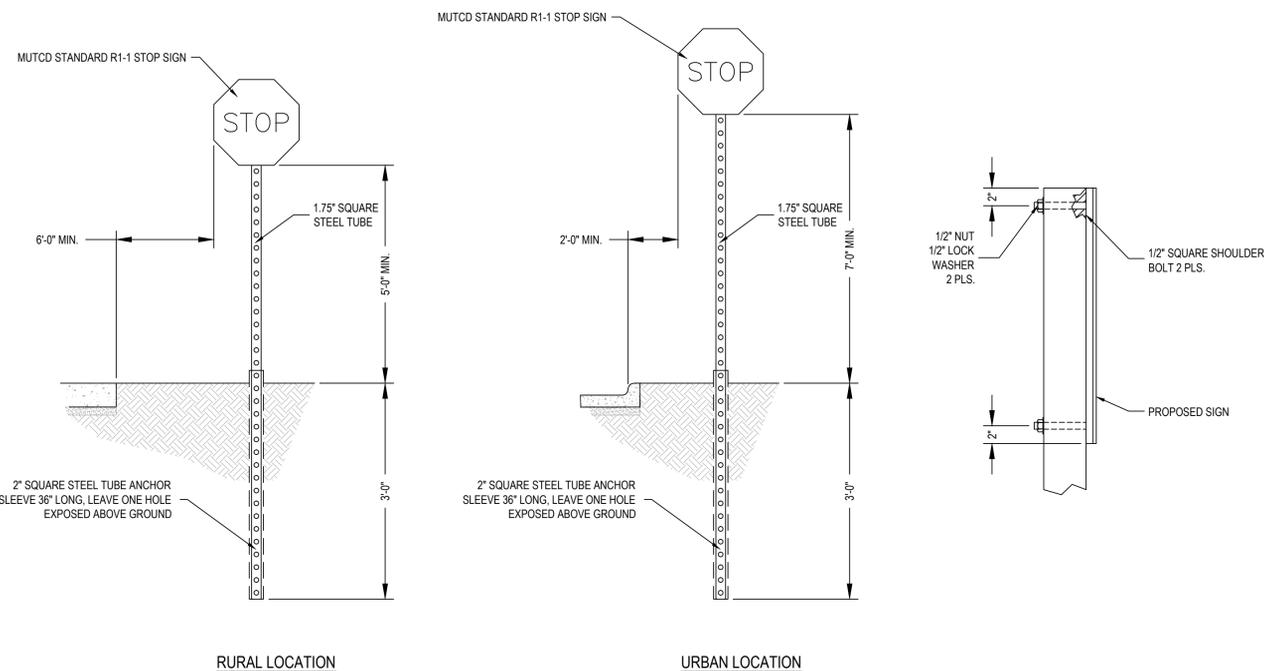
PROVIDE POLYETHYLENE THERMOPLASTIC (LDPE) COVER HAVING ULTRA-VIOLET RESISTANCE AND ANTI STATIC PROPERTIES, NOMINAL THICKNESS 0.250 INCHES. COLOR SHALL BE OSHA YELLOW UNLESS OTHERWISE NOTED. SIZE COVERS FOR PIPE DIAMETERS, SIMILAR TO THAT MANUFACTURED BY IDEAL SHIELD

7 NO SCALE DISABLED PARKING SYMBOL DETAIL

5 DISABLED STALL & PAINT DETAIL

3 DISABLED PARKING SIGN DETAIL

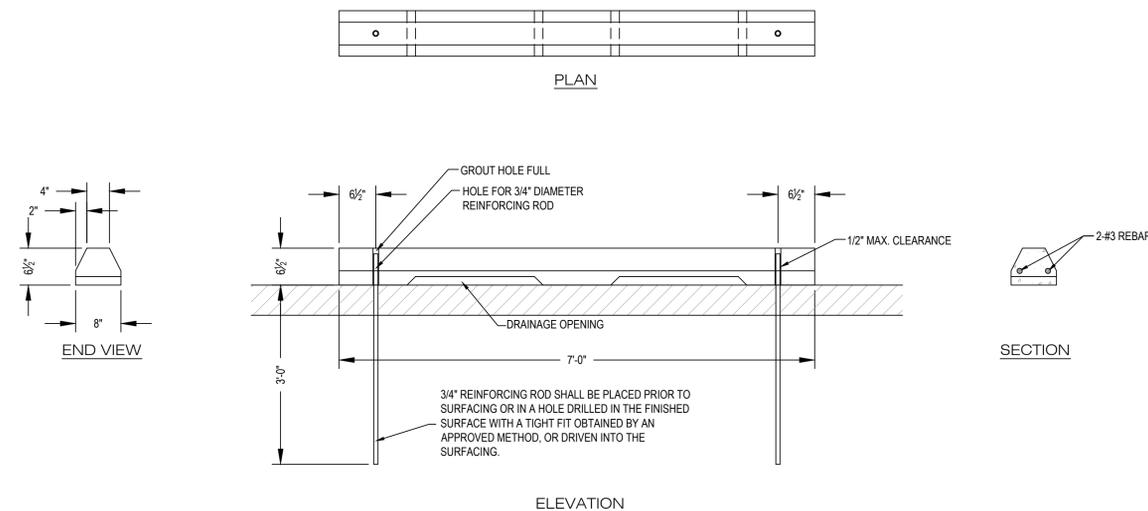
1 BOLLARD DETAIL



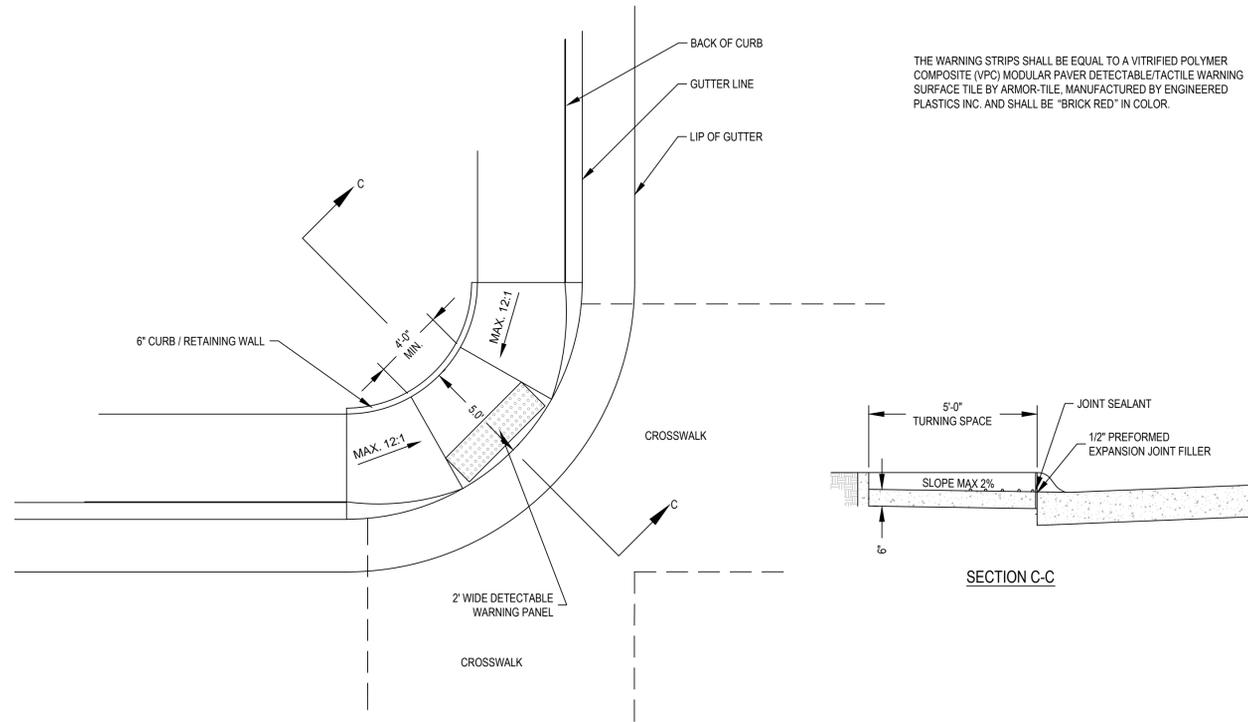
RURAL LOCATION

URBAN LOCATION

8 NO SCALE TRAFFIC SIGN DETAILS

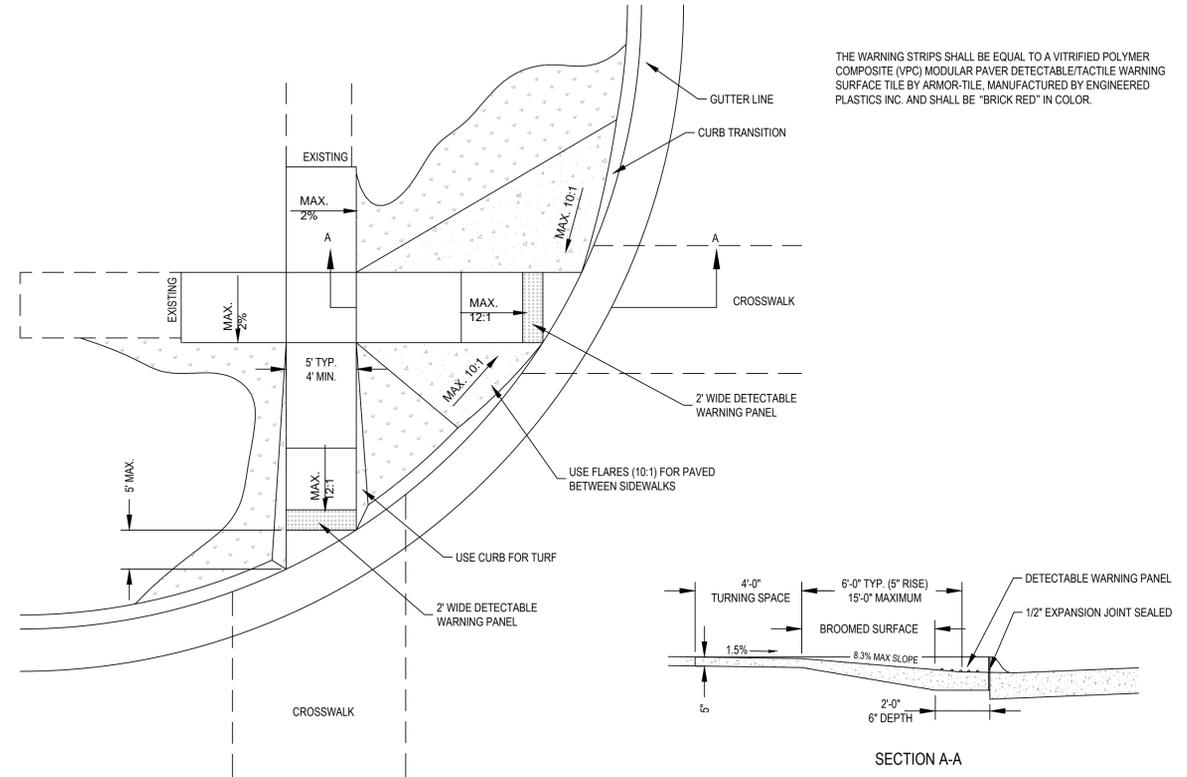


4 NO SCALE PRECAST CONCRETE WHEEL STOP



THE WARNING STRIPS SHALL BE EQUAL TO A VITRIFIED POLYMER COMPOSITE (VPC) MODULAR PAVER DETECTABLE/TACTILE WARNING SURFACE TILE BY ARMOR-TILE, MANUFACTURED BY ENGINEERED PLASTICS INC. AND SHALL BE "BRICK RED" IN COLOR.

SECTION C-C

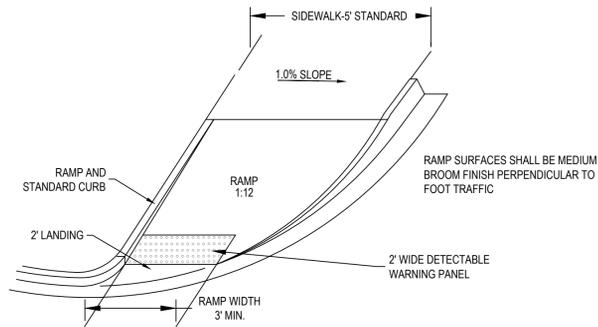


THE WARNING STRIPS SHALL BE EQUAL TO A VITRIFIED POLYMER COMPOSITE (VPC) MODULAR PAVER DETECTABLE/TACTILE WARNING SURFACE TILE BY ARMOR-TILE, MANUFACTURED BY ENGINEERED PLASTICS INC. AND SHALL BE "BRICK RED" IN COLOR.

SECTION A-A

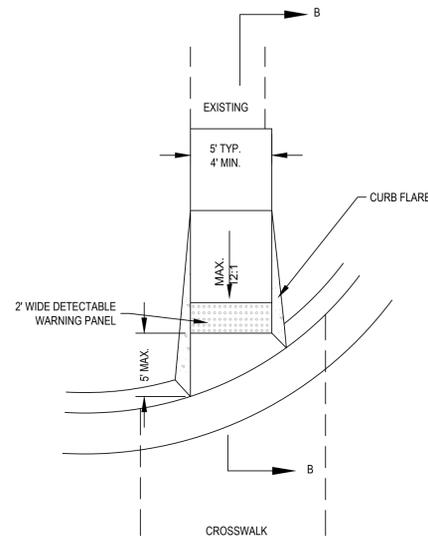
3 NO SCALE ADA RAMP - CORNER FOR CURB SIDEWALK

1 NO SCALE ADA RAMP - DOUBLE CROSSING



THE WARNING STRIPS SHALL BE EQUAL TO A VITRIFIED POLYMER COMPOSITE (VPC) MODULAR PAVER DETECTABLE/TACTILE WARNING SURFACE TILE BY ARMOR-TILE, MANUFACTURED BY ENGINEERED PLASTICS INC. AND SHALL BE "BRICK RED" IN COLOR.

4 NO SCALE ADA RAMPS - CURB SIDEWALK



THE WARNING STRIPS SHALL BE EQUAL TO A VITRIFIED POLYMER COMPOSITE (VPC) MODULAR PAVER DETECTABLE/TACTILE WARNING SURFACE TILE BY ARMOR-TILE, MANUFACTURED BY ENGINEERED PLASTICS INC. AND SHALL BE "BRICK RED" IN COLOR.

SECTION B-B

2 NO SCALE ADA RAMP - SINGLE CROSSING

170 East 16th St.
Scottdale, NE 68061
408.639.9163
www.bakerbassociates.com



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Project Title:
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CLIENT2

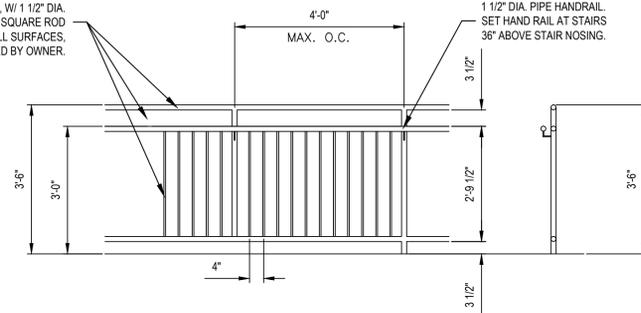
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ADA SIDEWALK RAMP DETAILS

Date Issued: *DATE*

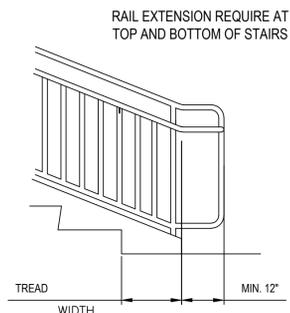
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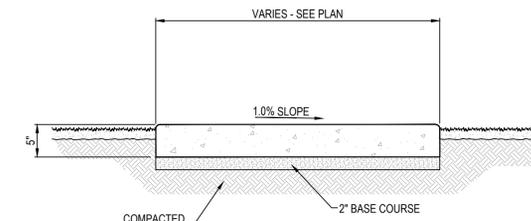
42" HIGH GUARD RAIL SYSTEM, 1 1/2" DIA. PIPE TOP & BOTTOM, W/ 1 1/2" DIA. VERT PIPE & 1/2" SQUARE ROD BALUSTERS. PAINT ALL SURFACES, COLOR TO BE SELECTED BY OWNER.



GUARDRAIL DETAIL



RAIL EXTENSION REQUIRE AT TOP AND BOTTOM OF STAIRS

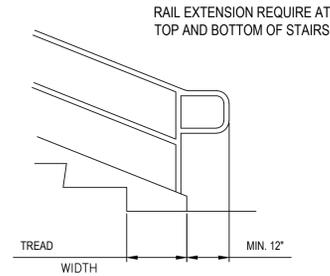
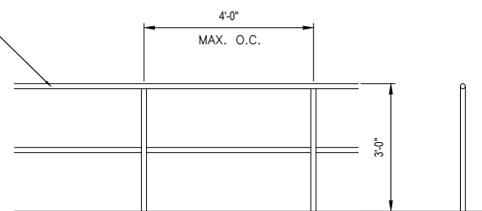


VARIES - SEE PLAN
1.0% SLOPE
COMPACTED SUBGRADE
2" BASE COURSE

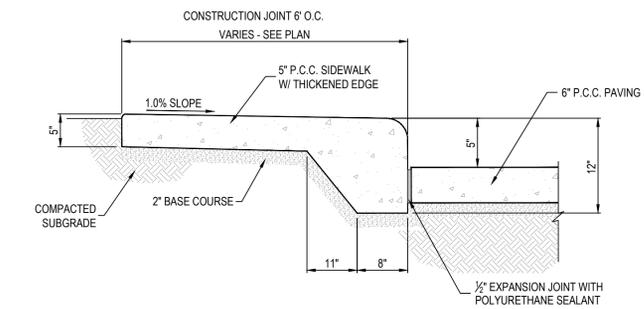
4 NO SCALE GUARDRAIL DETAILS

1 NO SCALE SIDEWALK DETAIL

1 1/2" DIA. PIPE HANDRAIL SET HAND RAIL AT STAIRS 34" ABOVE STAIR NOSING.



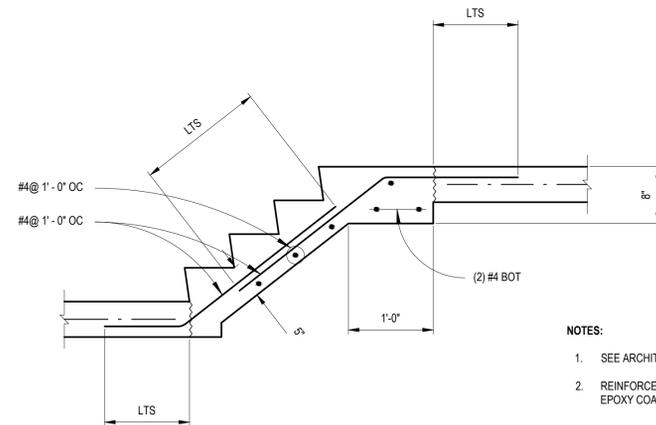
RAIL EXTENSION REQUIRE AT TOP AND BOTTOM OF STAIRS



CONSTRUCTION JOINT 6" O.C. VARIES - SEE PLAN
1.0% SLOPE
5" P.C.C. SIDEWALK W/ THICKENED EDGE
6" P.C.C. PAVING
COMPACTED SUBGRADE
2" BASE COURSE
11" 8"
1/2" EXPANSION JOINT WITH POLYURETHANE SEALANT

5 NO SCALE HANDRAIL DETAILS

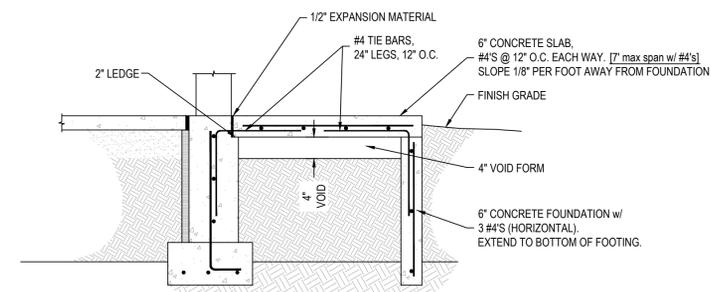
2 NO SCALE THICKENED EDGE SIDEWALK DETAIL



NOTES:

- SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- REINFORCEMENT BARS IN STAIRS EXPOSED TO WEATHER SHALL BE EPOXY COATED

6 NO SCALE EXTERIOR STAIR DETAILS



3 NO SCALE FROST PROOF STOOP DETAIL

PRELIMINARY PLAN
NOT TO BE USED FOR CONSTRUCTION

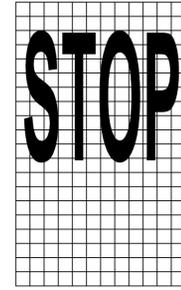
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PROJ1
PROJ2
CLIENT1
CLIENT2

Sheet Title:
SIDEWALK & CURB DETAILS
STRUCTURAL STOOP DETAILS
RAIL & GUARDRAIL DETAILS

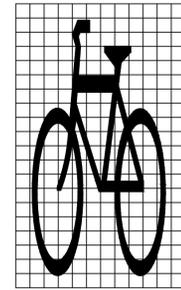
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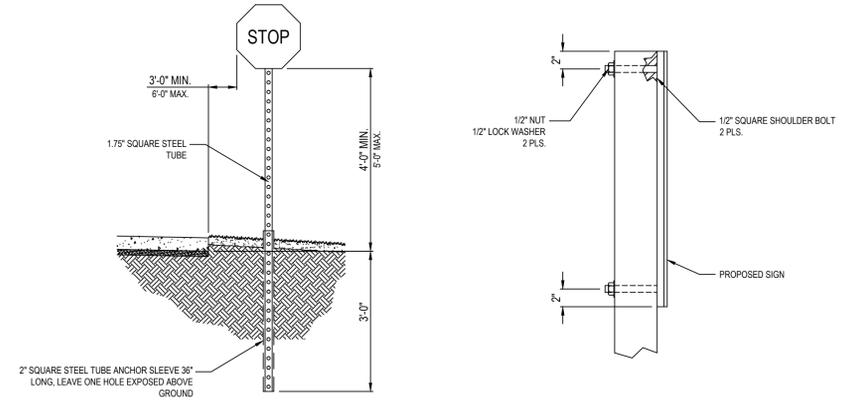
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(BOTH SYMBOLS EQUAL 1 BID ITEM)

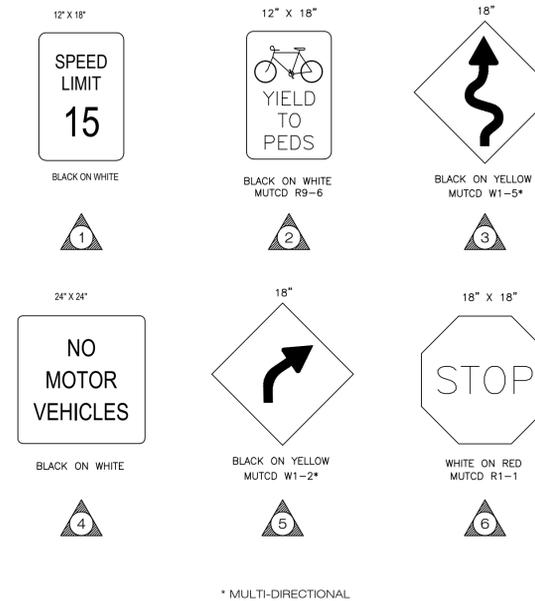


□ = 4 IN X 4 IN



3 NO SCALE TRAIL SYMBOLS (PAINTED)

1 NO SCALE TRAIL SIGN DETAILS



4 NO SCALE TITLE

2 NO SCALE TRAIL SIGNS

120 East 16th St.
Schaumburg, NE 68961
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CLIENT2

Sheet Title:
**TRAIL SIGNS
AND SYMBOLS**
Date Issued: *DATE*

Project: *PROJ#
CAD File: *CAD*
Design: B&A Drawing: B&A Check: B&A

Sheet No.
C-7.XX

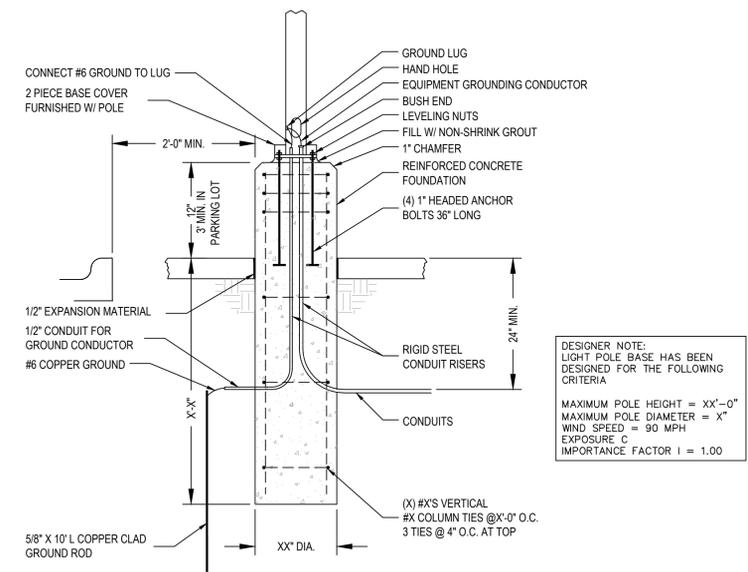
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Project Title:
 PROJ1
 PROJ2
 CLIENT1
 CLIENT2

Sheet Title:
LIGHT POLE BASE DETAIL
REMOVABLE BOLLARD DETAIL
 Date Issued: *DATE*

Project: *PROJ#
 CAD File: *CAD*
 Design Drawing Check:
 B&A B&A

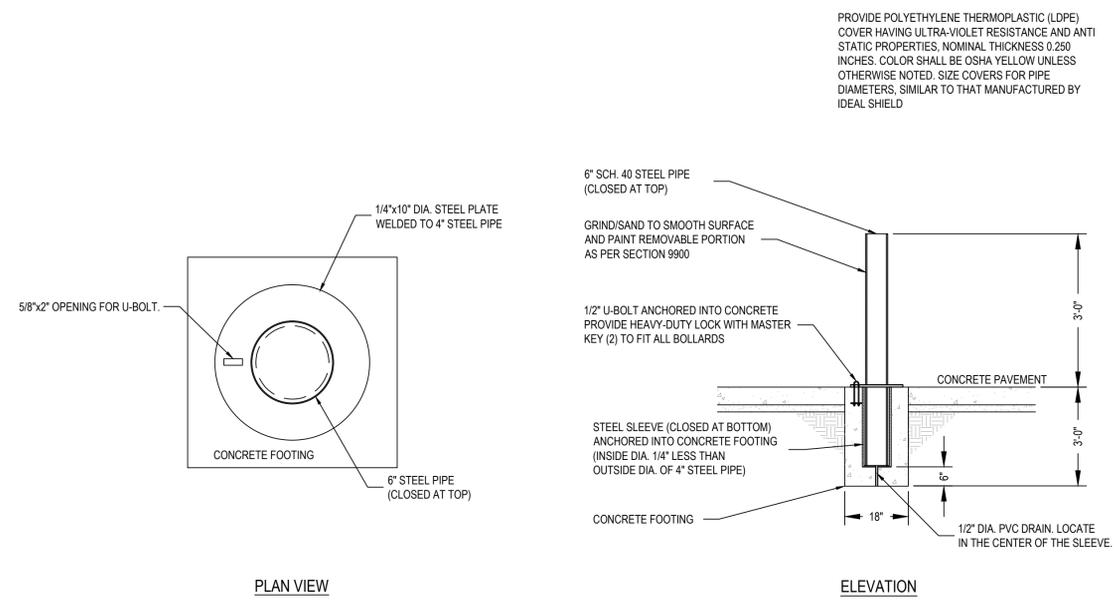
Sheet No.
C-7.XX



DESIGNER NOTE:
 LIGHT POLE BASE HAS BEEN
 DESIGNED FOR THE FOLLOWING
 CRITERIA
 MAXIMUM POLE HEIGHT = XX'-0"
 MAXIMUM POLE DIAMETER = X"
 WIND SPEED = 90 MPH
 EXPOSURE C
 IMPORTANCE FACTOR I = 1.00

3 NO SCALE TITLE

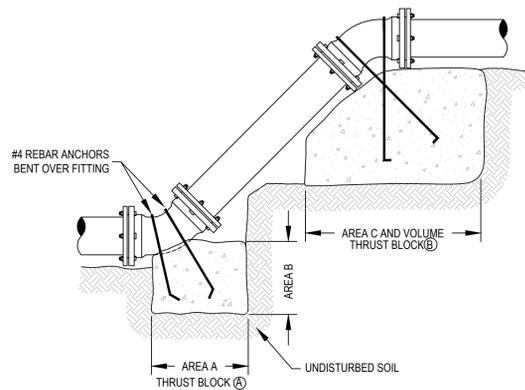
1 NO SCALE LIGHT POLE BASE DETAIL



PROVIDE POLYETHYLENE THERMOPLASTIC (LDPE)
 COVER HAVING ULTRA-VIOLET RESISTANCE AND ANTI
 STATIC PROPERTIES, NOMINAL THICKNESS 0.250
 INCHES. COLOR SHALL BE OSHA YELLOW UNLESS
 OTHERWISE NOTED. SIZE COVERS FOR PIPE
 DIAMETERS, SIMILAR TO THAT MANUFACTURED BY
 IDEAL SHIELD

4 NO SCALE TITLE

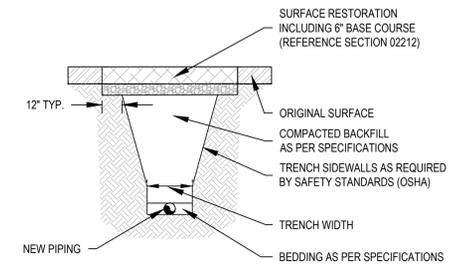
2 NO SCALE REMOVABLE BOLLARD DETAIL



VERTICAL THRUST BLOCK
SURFACE THRUST AREA
and
VOLUME REQUIRED

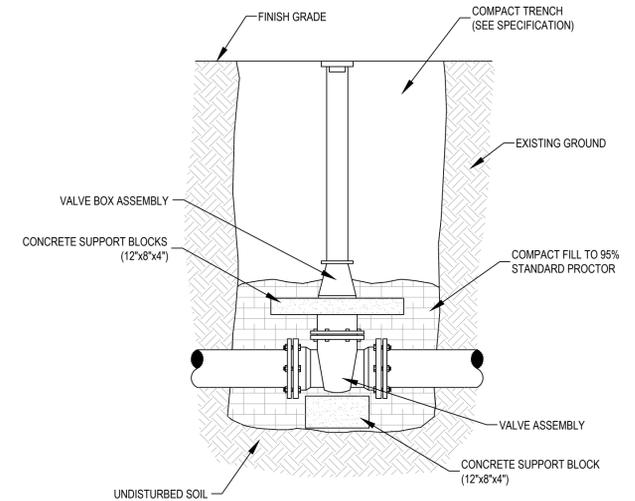
PIPE SIZE	THRUST BLOCK (A)		THRUST BLOCK (B)	
	AREA A	AREA B	AREA C	VOLUME
4"	1 S.F.	1 S.F.	4 S.F.	0.25 C.Y.
6"	3 S.F.	1 S.F.	5 S.F.	0.25 C.Y.
8"	5 S.F.	2.5 S.F.	6 S.F.	0.33 C.Y.
10"	7 S.F.	3.5 S.F.	9 S.F.	0.50 C.Y.
12"	10 S.F.	5 S.F.	12 S.F.	1.0 C.Y.
16"	20 S.F.	8 S.F.	20 S.F.	2.0 C.Y.

NOTE:
CONCRETE SHALL BE 5 SACK CEMENT, SAND AND GRAVEL AND SHALL HAVE A MINIMUM OF 3,000 PSI. STRENGTH AT 28 DAYS.
THRUST BLOCKS ARE REQUIRED TO BE POURED AGAINST UNDISTURBED SOIL.
WRAP JOINTS & BOLTS WITH 6 MIL. POLYETHYLENE. JOINTS & BOLTS SHALL BE ACCESSIBLE FOR REPAIRS.



MAXIMUM TRENCH WIDTH TABLE

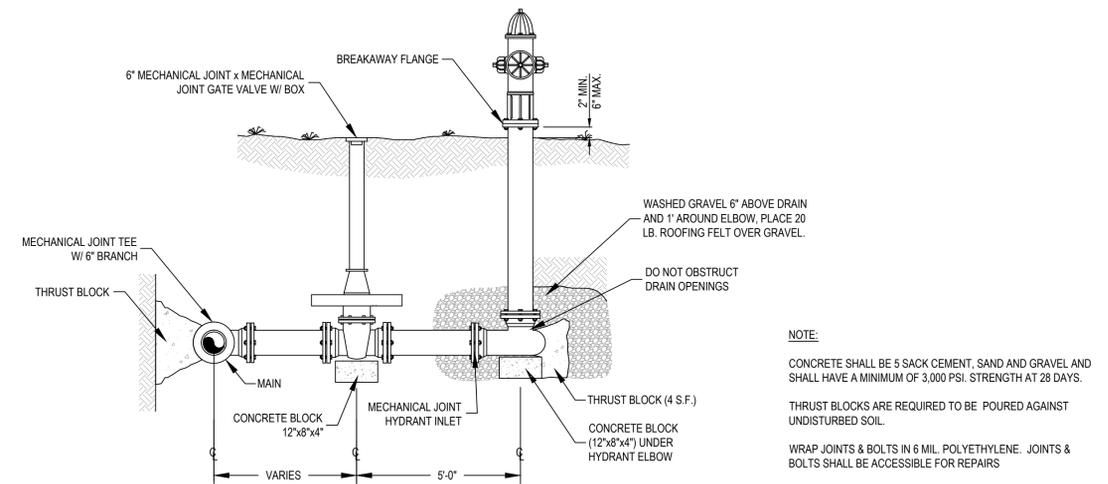
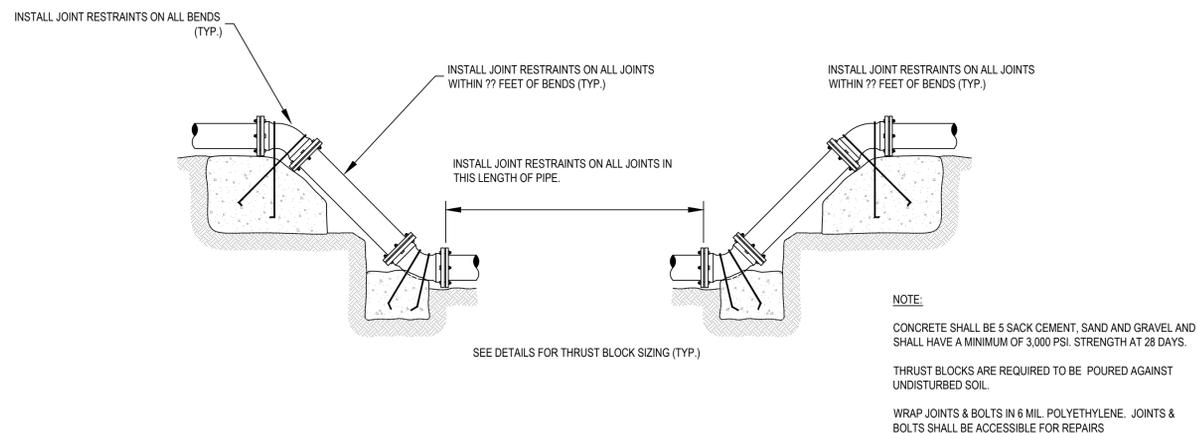
Pipe Diameter Inches	Pipe Trench Inches	Pipe Diameter Inches	Pipe Trench Inches	Pipe Diameter Inches	Pipe Trench Inches
4	24	14	38	30	54
6	30	16	40	36	60
8	32	18	42	42	66
10	34	20	44	48	72
12	36	24	48	54	78



10 NO SCALE VERTICAL DISPLACEMENT - THRUST BLOCKS

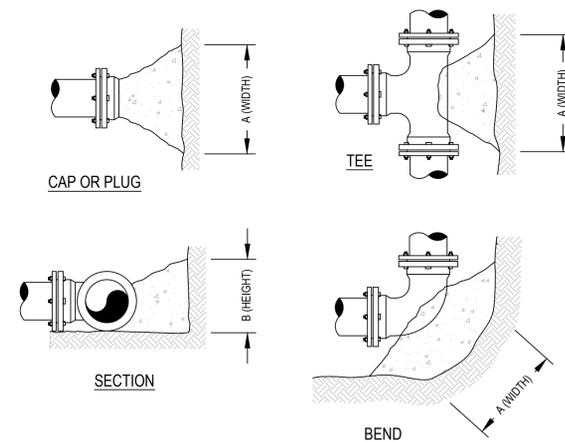
4 NO SCALE STANDARD TRENCH DETAILS

1 NO SCALE WATER VALVE AND BOX



11 NO SCALE VERTICAL DISPLACEMENT - RESTRAINTS

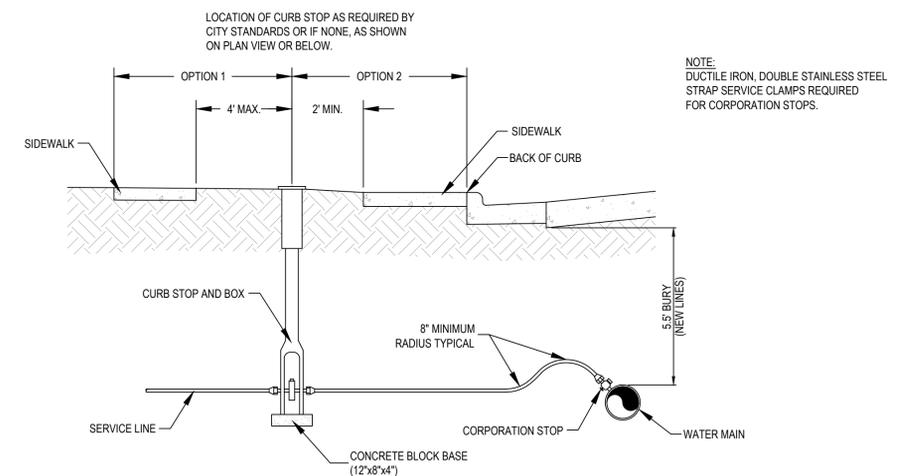
5 NO SCALE FIRE HYDRANT WITH VALVE AND BOX



HORIZONTAL THRUST BLOCK
SURFACE THRUST AREA REQUIRED

SIZE	TEES & CAPS		90° BENDS		45° BENDS		22 1/2° BENDS		11 1/4° BENDS	
	A	B	A	B	A	B	A	B	A	B
4"	1'-7"	1'-2"	1'-9"	1'-6"	1'-8"	0'-10"	1'-7"	0'-6"	0'-6"	0'-6"
6"	2'-0"	1'-11"	2'-5"	2'-2"	1'-10"	1'-7"	1'-9"	0'-10"	0'-6"	0'-6"
8"	2'-8"	2'-6"	3'-2"	3'-0"	2'-5"	2'-1"	1'-9"	1'-6"	1'-0"	1'-0"
10"	3'-4"	3'-3"	4'-0"	3'-10"	3'-0"	2'-9"	2'-2"	1'-11"	1'-6"	1'-0"
12"	4'-0"	3'-10"	4'-8"	4'-8"	3'-8"	3'-3"	2'-7"	2'-3"	2'-0"	1'-0"
14"	5'-5"	3'-10"	6'-6"	4'-1"	4'-9"	3'-5"	3'-5"	2'-5"	2'-0"	1'-6"
20"	5'-0"	5'-0"	6'-0"	6'-0"	5'-0"	4'-0"	3'-6"	3'-0"	3'-0"	2'-0"
24"	6'-0"	6'-0"	7'-0"	7'-0"	5'-0"	5'-0"	4'-6"	3'-0"	3'-0"	3'-0"
30"	7'-6"	7'-6"	8'-0"	8'-0"	6'-3"	6'-3"	4'-9"	4'-6"	3'-3"	3'-3"

NOTE:
CONCRETE SHALL BE 5 SACK CEMENT, SAND AND GRAVEL AND SHALL HAVE A MINIMUM OF 3,000 PSI. STRENGTH AT 28 DAYS.
THRUST BLOCKS ARE REQUIRED TO BE POURED AGAINST UNDISTURBED SOIL.
WRAP JOINTS & BOLTS IN 6 MIL. POLYETHYLENE. JOINTS & BOLTS SHALL BE ACCESSIBLE FOR REPAIRS.



12 NO SCALE THRUST BLOCKS

6 NO SCALE SERVICE CONNECTION DETAILS

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Project Title:
PROJ1
PROJ2
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Sheet Title:
WATER LINE DETAILS
THRUST BLOCK DETAILS
Date Issued: *DATE*

Project: *PROJ#*
CAD File: *CAD*
Design: B&A
Drawing: B&A
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Sheet No.
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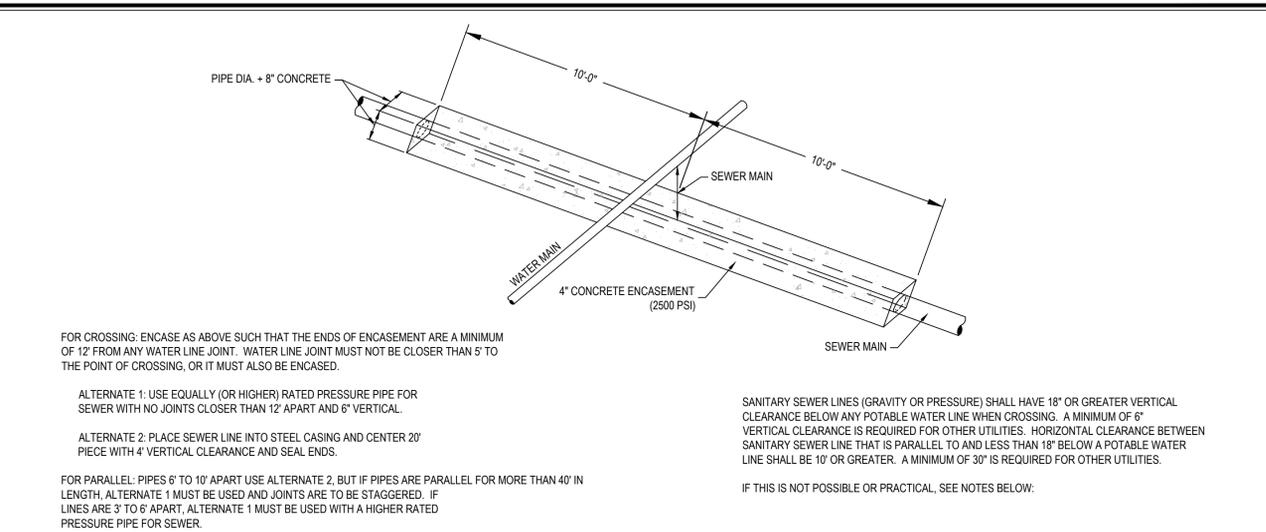
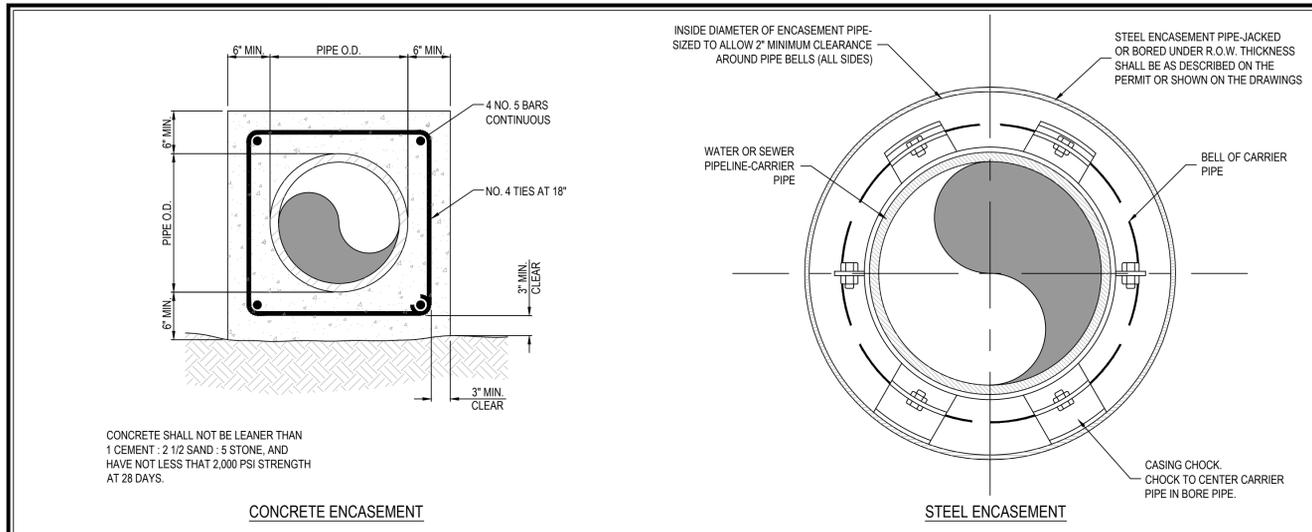
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Project Title:
 PROJ1
 PROJ2
 CLIENT1
 CLIENT2

Sheet Title:
WATER LINE DETAILS
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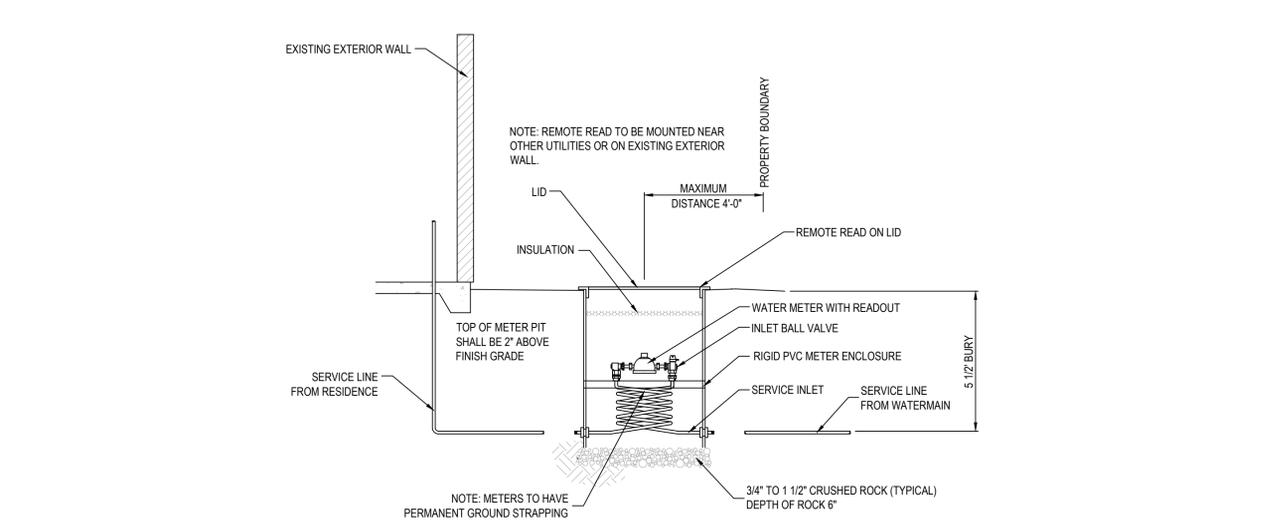
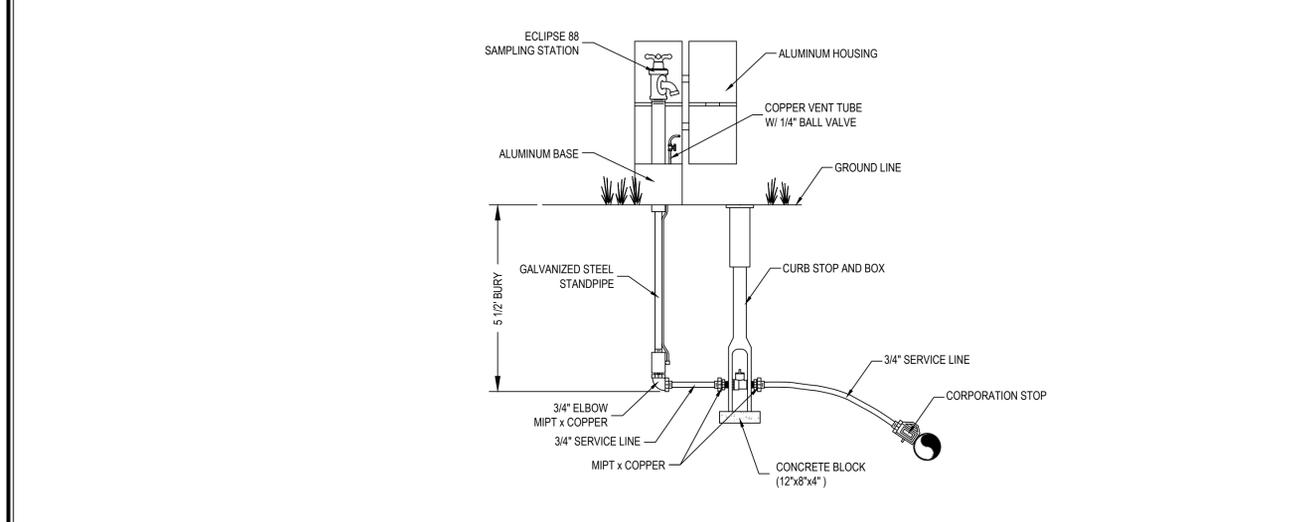
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C-7.XX



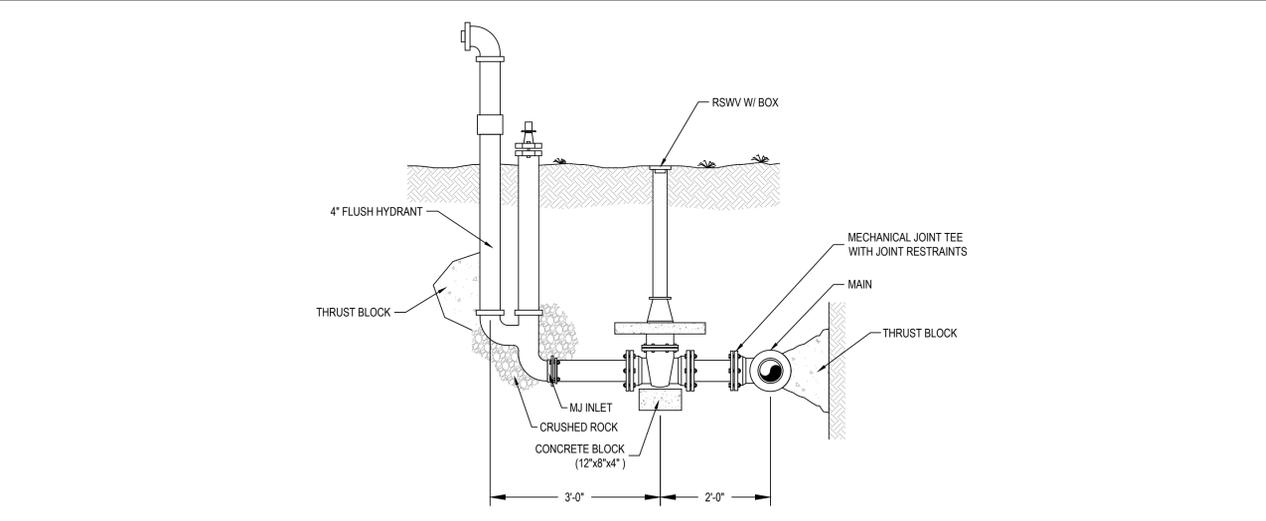
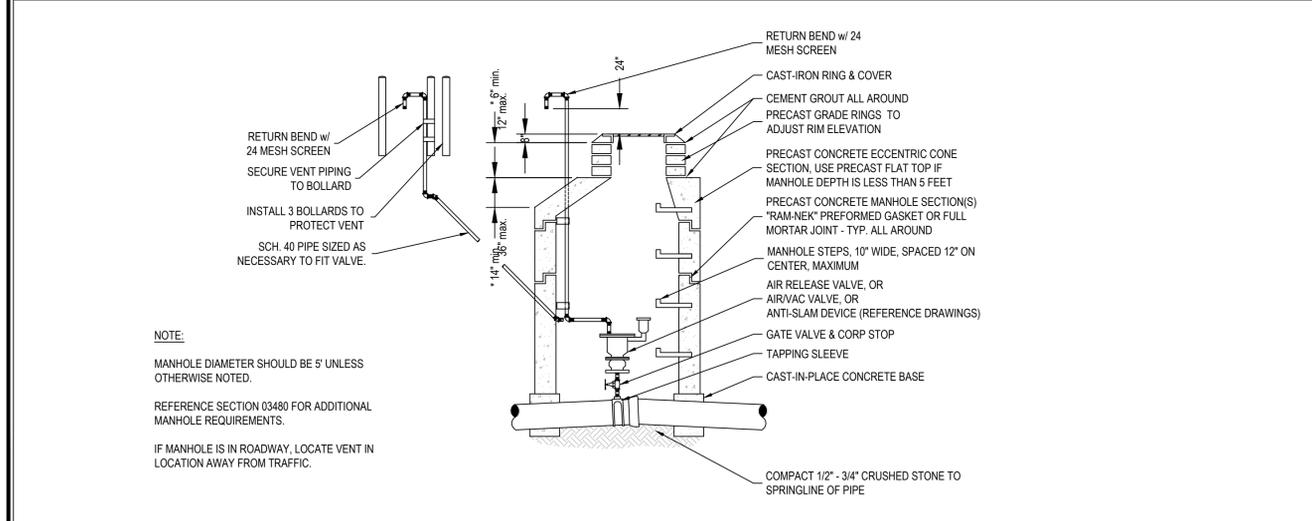
4 NO SCALE **PIPE ENCASUREMENTS**

1 NO SCALE **SEWER WATER SEPARATION AND CLEARANCES**



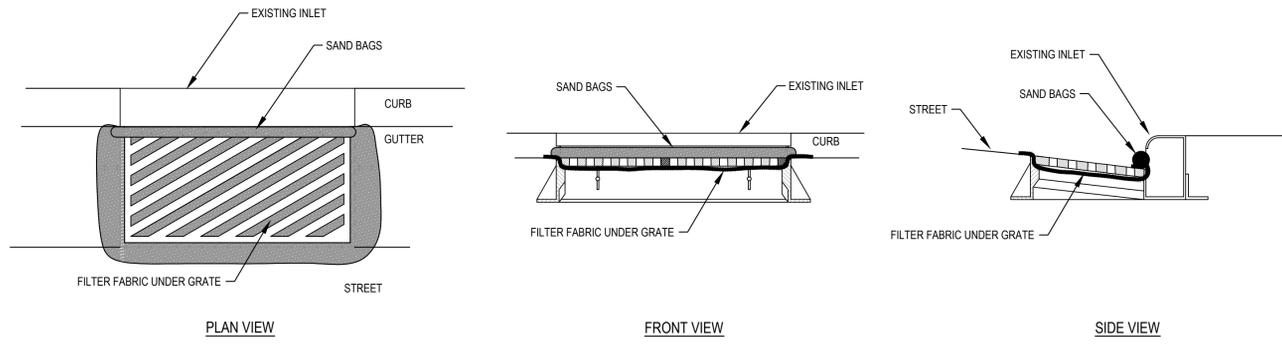
5 NO SCALE **SAMPLE STATIONS**

2 NO SCALE **METER PIT DETAILS**



6 NO SCALE **AIR RELEASE MANHOLE ASSEMBLY**

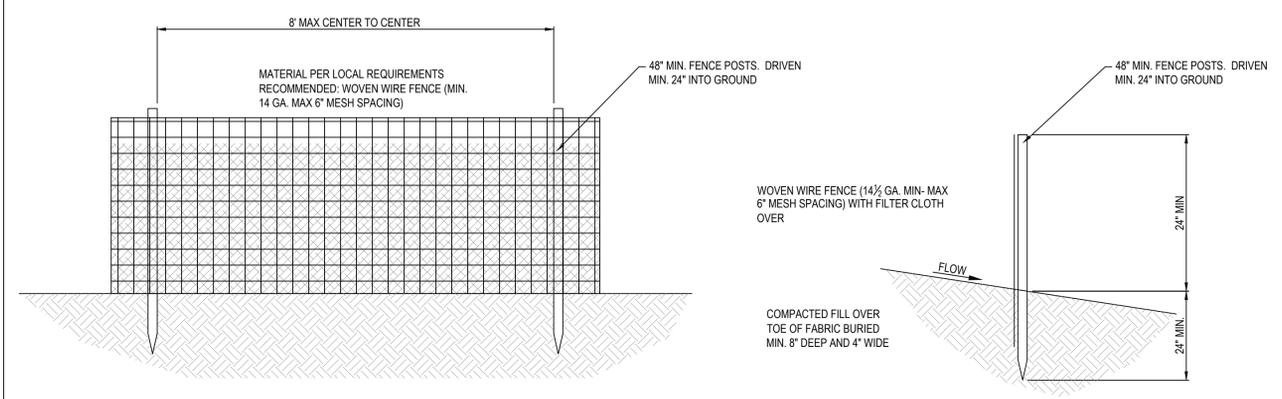
3 NO SCALE **FLUSH HYDRANT DETAILS**



PLAN VIEW

FRONT VIEW

SIDE VIEW

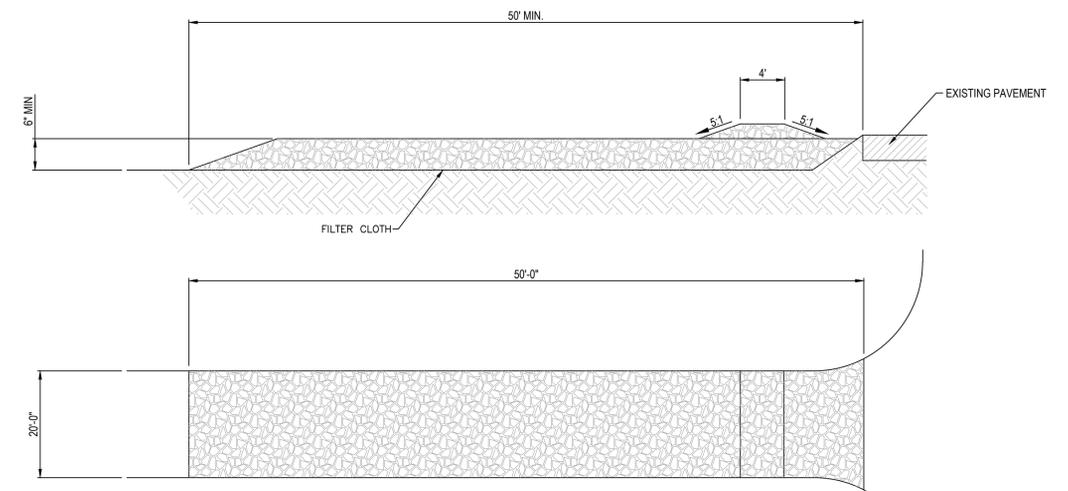


CONSTRUCTION NOTES FOR SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO SILT FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY (6) INCHES AND FOLDED.
 4. LOCATE POSTS DOWNSLOPE OF FABRIC FOR FENCE SUPPORT.
 5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER "1" OR "1 1/2" TYPE OR 4" HARDWOOD
 POSTS: LOCATED MAXIMUM 8' CENTER TO CENTER
 FENCE: PER LOCAL REQUIREMENTS OR WOVEN WIRE, 14 GAGE
 6" MAXIMUM MESH OPENING
 FILTER CLOTH: FILTER X, MARIFI 100X, STAB-LINKA T140N OR APPROVED EQUAL.
 PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

3 NO SCALE INLET PROTECTION SYSTEM

1 NO SCALE SILT FENCE DETAIL



STABILIZED CONSTRUCTION ENTRANCES

1. STONE SIZE - USE #2 STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
3. DEPTH - NO LESS THAN SIX (6) INCHES.
4. WIDTH - THIRTY (30) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - TO BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE CARRIED OUT ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

4 NO SCALE TITLE

2 NO SCALE STABILIZED CONSTRUCTION ENTRANCE

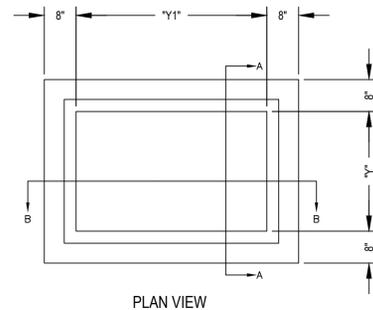
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 NOT TO BE USED FOR
 CONSTRUCTION

Project Title:
 PROJ1
 PROJ2
 CLIENT1
 CLIENT2

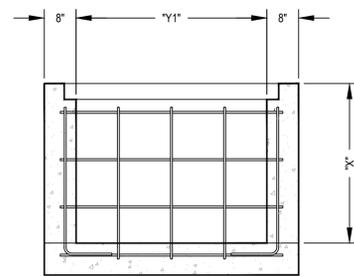
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Sheet No.
C-7.XX



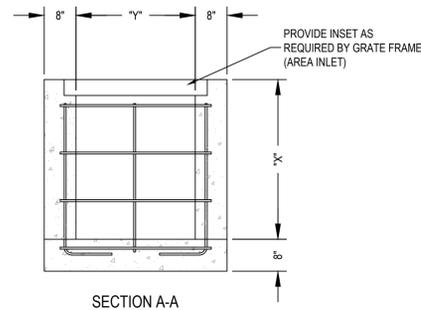
PLAN VIEW



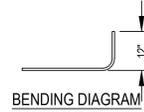
SECTION B-B

NOTES:

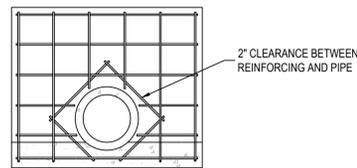
1. "Y" x "Y1" IS WIDTH AND LENGTH OF INLET OPENING (MATCH GRATE FRAME)
2. "X" IS DEPTH REQUIRED BY PLAN AND PROFILE
3. ALL REINFORCING TO BE #4 @8" O.C.
4. PRECAST BOXES MAY BE PROVIDED



SECTION A-A

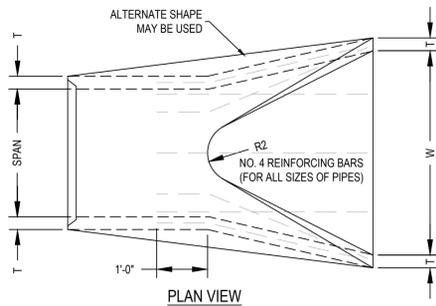


BENDING DIAGRAM

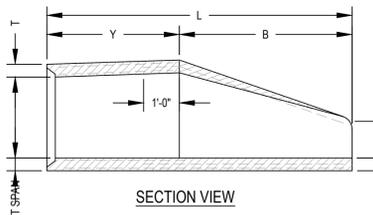


DETAIL "B"
USE FOR PLACEMENT OF DIAGONAL BARS ONLY

4 NO SCALE AREA INLET BASE DETAILS



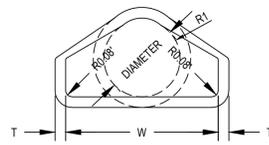
PLAN VIEW



SECTION VIEW

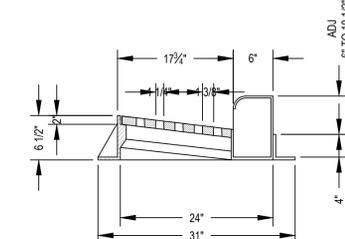
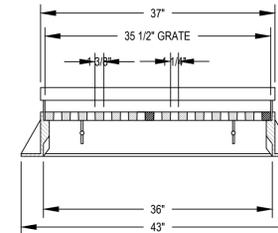
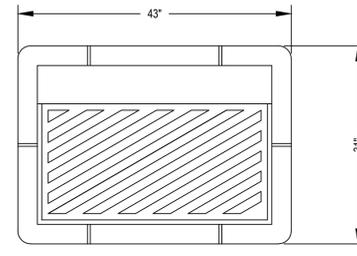
EQUIV. DIA.	NOMINAL DIMENSIONS								
	L ±0"	B	Y ±4 1/2"	C	W ±2"	R1	R2	S APPROX.	T MIN.
12"	6'-0 1/2"	2'-0"	4'-0 1/4"	4"	2'-0"	1'-0 1/4"	9"	3	2"
15"	6'-1"	2'-3"	3'-10"	6"	2'-6"	1'-0 1/2"	11"	3	2 1/4"
18"	6'-1"	2'-3"	3'-10"	9"	3'-0"	1'-3 1/2"	1'-0"	3	2 1/2"
24"	6'-1 1/2"	3'-7 1/2"	2'-6"	9 1/2"	4'-0"	1-4 1/8"	1'-2"	3	3"
30"	6'-1 1/2"	4'-6"	1'-7 1/4"	1'-0"	5'-0"	1-6 1/2"	1'-3"	3	3 1/2"
36"	8'-1 1/2"	5'-3"	2'-10 1/4"	1'-3"	6'-0"	2'-0 1/8"	1'-8"	3	4"
42"	8'-2"	5'-3"	2'-11"	1'-9"	6'-6"	2'-3 1/2"	1'-10"	3	4 1/2"
48"	8'-2"	6'-0"	2'-2"	2'-0"	7'-0"	2'-4 1/2"	1'-10"	3	5"
54"	8'-4"	5'-5"	2'-11"	2'-3"	7'-6"	2'-9 1/2"	2'-0"	2.4	5 1/2"
60"	8'-3"	5'-0"	3'-3"	2'-6"	8'-0"	3'-0 1/8"	2'-0"	2	6"
66"	8'-3"	6'-6"	1'-9"	2'-6"	9'-0"	3'-0 1/4"	2'-0"	2	6 1/2"
72"	8'-3"	6'-6"	1'-9"	2'-6"	9'-0"	3'-2 1/4"	2'-0"	2	7"

NOTE:
DESIGN SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF AASHTO M 170/ASTM C-76



ELEVATION

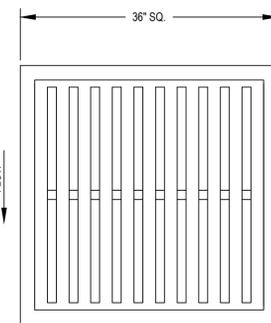
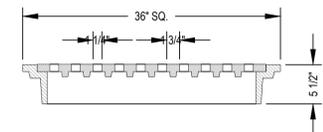
5 NO SCALE FLARED-END SECTION DETAILS



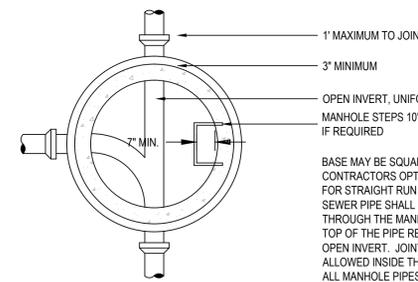
DEETER MODEL 2046 GRATE, FRAME AND CURB OR EQUAL

DEETER MODEL 2330 INLET GRATE AND FRAME OR EQUAL

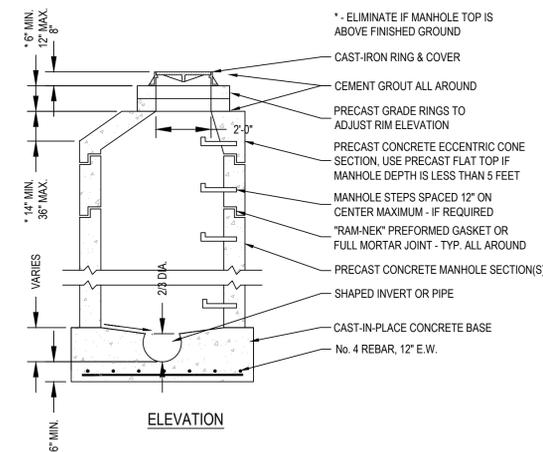
1 NO SCALE CURB INLET DETAILS



2 NO SCALE AREA INLET DETAILS



PLAN



ELEVATION

3 NO SCALE STORM SEWER MANHOLE DETAILS

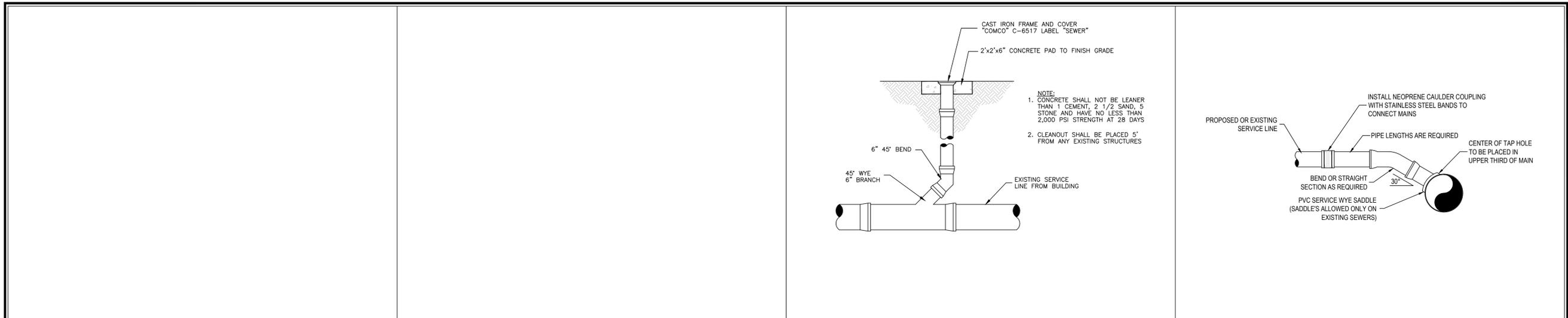
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* PROJ1 *
* PROJ2 *
* CLIENT1 *
* CLIENT2 *

Sheet Title:
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Date Issued: *DATE*

Project: *PROJ#
CAD File: *CAD*
Design Drawing Check
B&A B&A

Sheet No.
C-7.XX

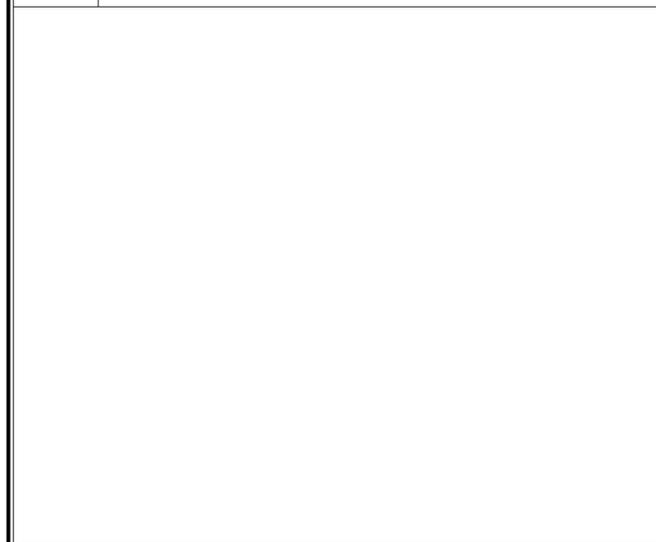


10 NO SCALE TITLE

10 NO SCALE TITLE

4 NO SCALE IN-LINE CLEANOUT DETAILS

1 NO SCALE SEWER SERVICE CONNECTION



11 NO SCALE TITLE

8 NO SCALE TITLE

5 NO SCALE TITLE

2 NO SCALE SEWER PIPE CONNECTION DETAILS



12 NO SCALE TITLE

9 NO SCALE TITLE

6 NO SCALE TITLE

3 NO SCALE CLEANOUT DETAILS

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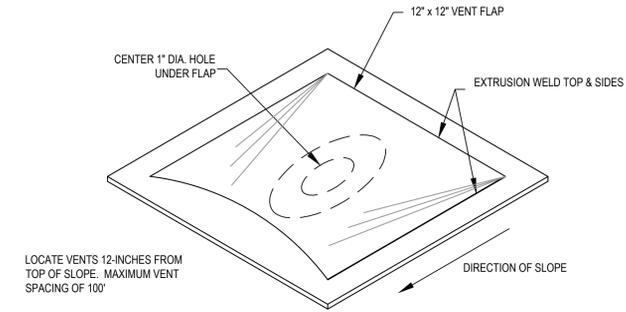
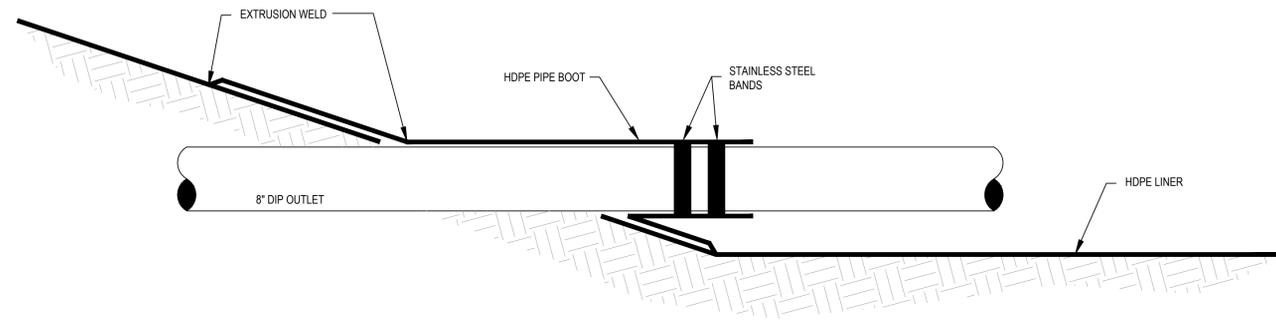
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 CLIENT1
 CLIENT2

Sheet Title:
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 Date Issued: *DATE*

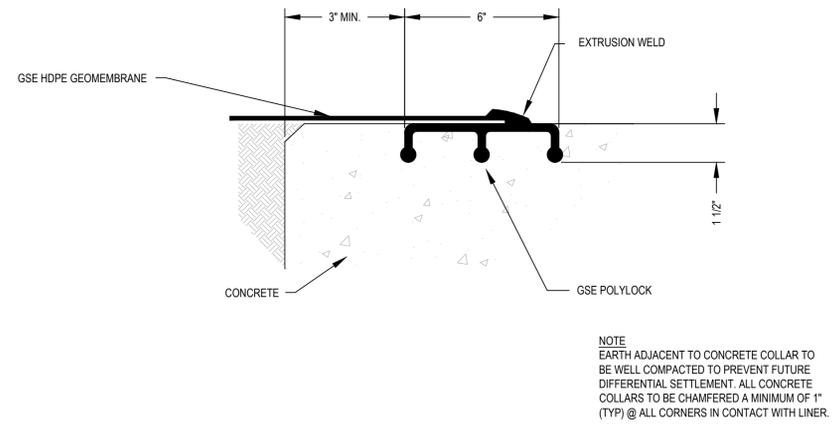
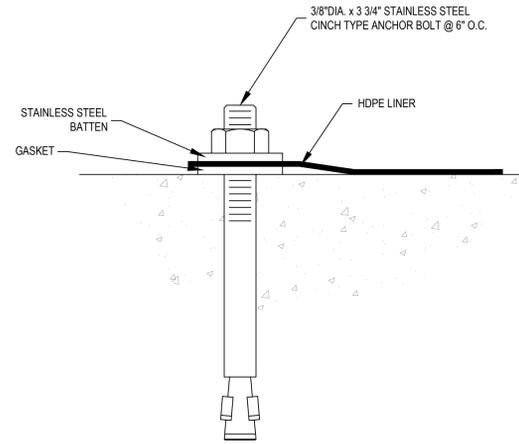
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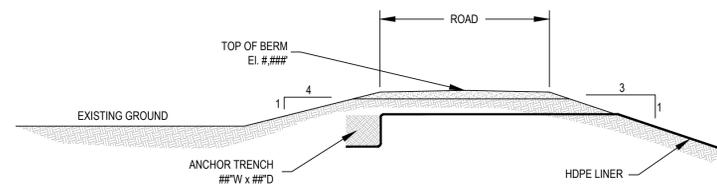
4 NO SCALE PIPE PENETRATION DETAILS

1 NO SCALE LINER VENT DETAILS



5 NO SCALE ANCHOR - LINER TO CONCRETE

2 NO SCALE POLYLOCK ATTACHMENT



6 NO SCALE TITLE

3 NO SCALE ANCHOR TRENCH

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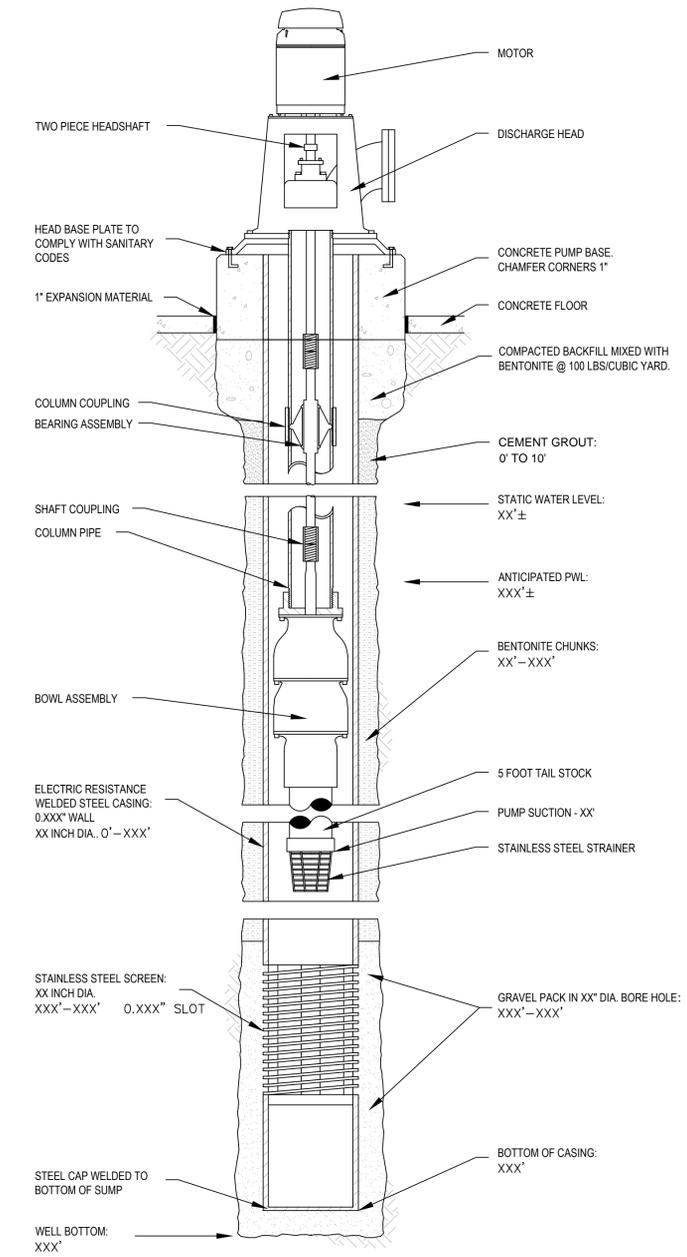
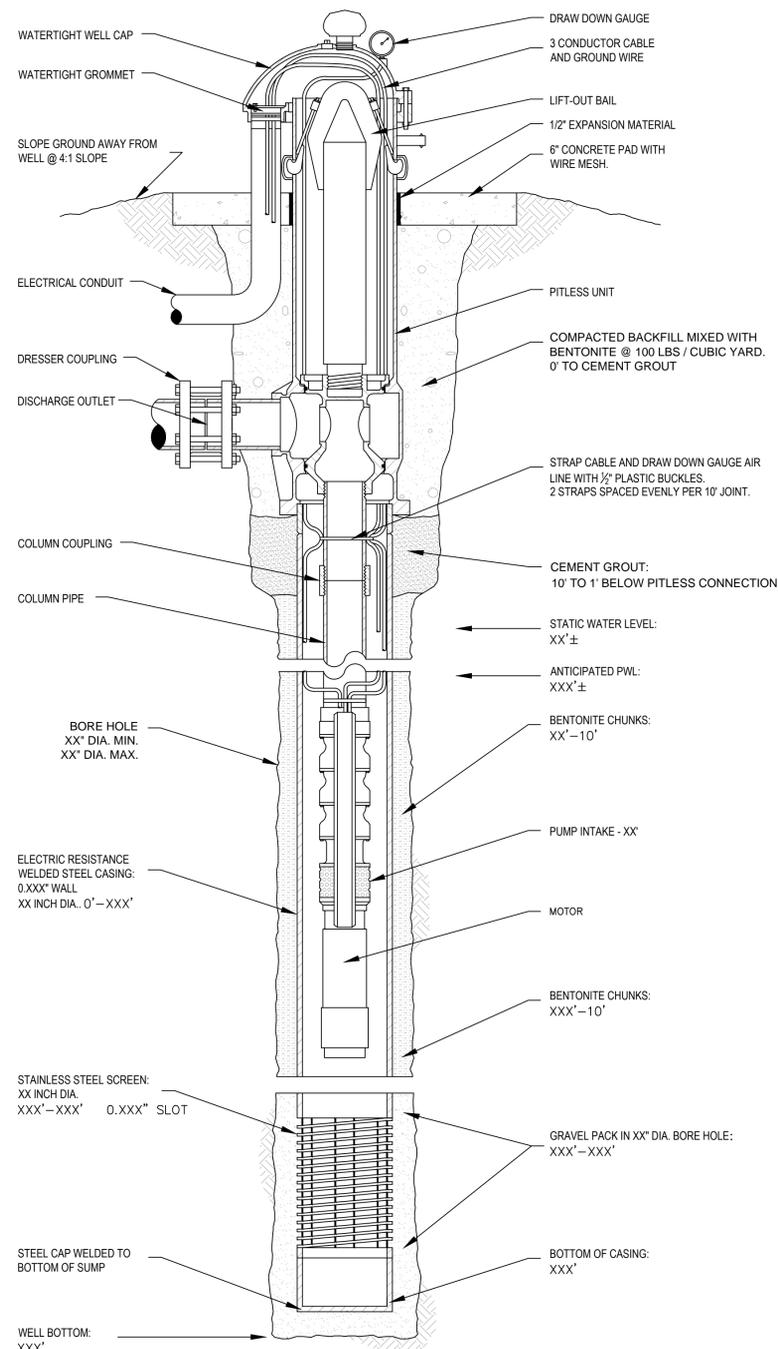
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Project Title:
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 PROJ2
 CLIENT1
 CLIENT2

Sheet Title:
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 Date Issued: *DATE*

Project: *PROJ#
 CAD File: *CAD*
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Sheet No.
C-7.XX



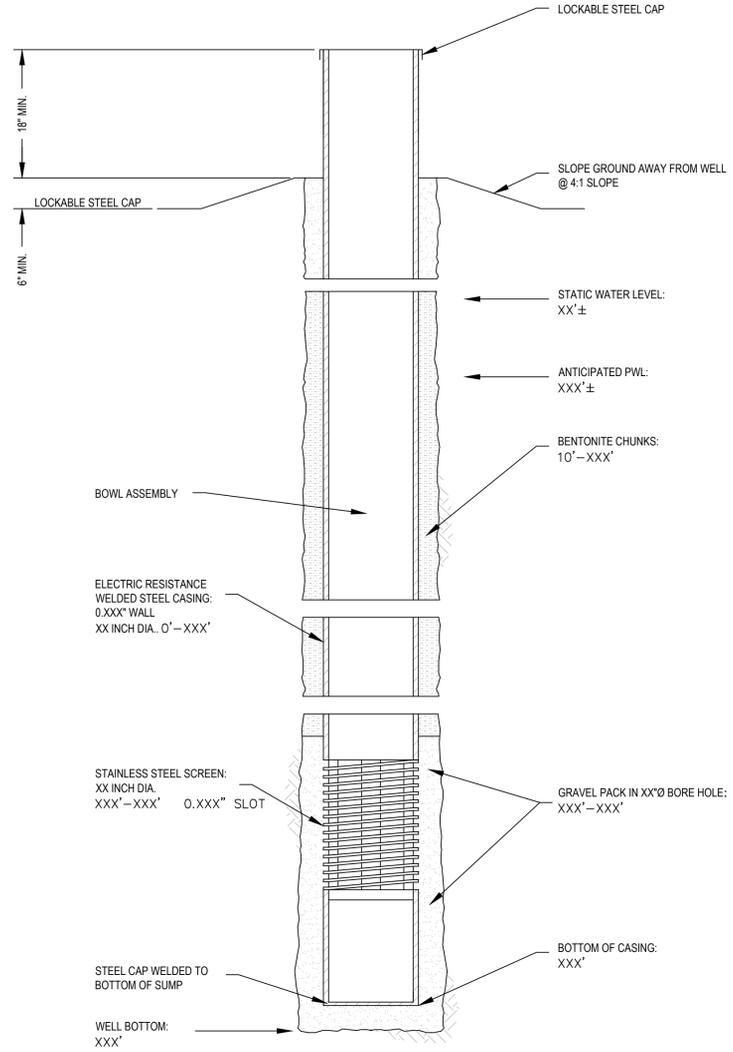
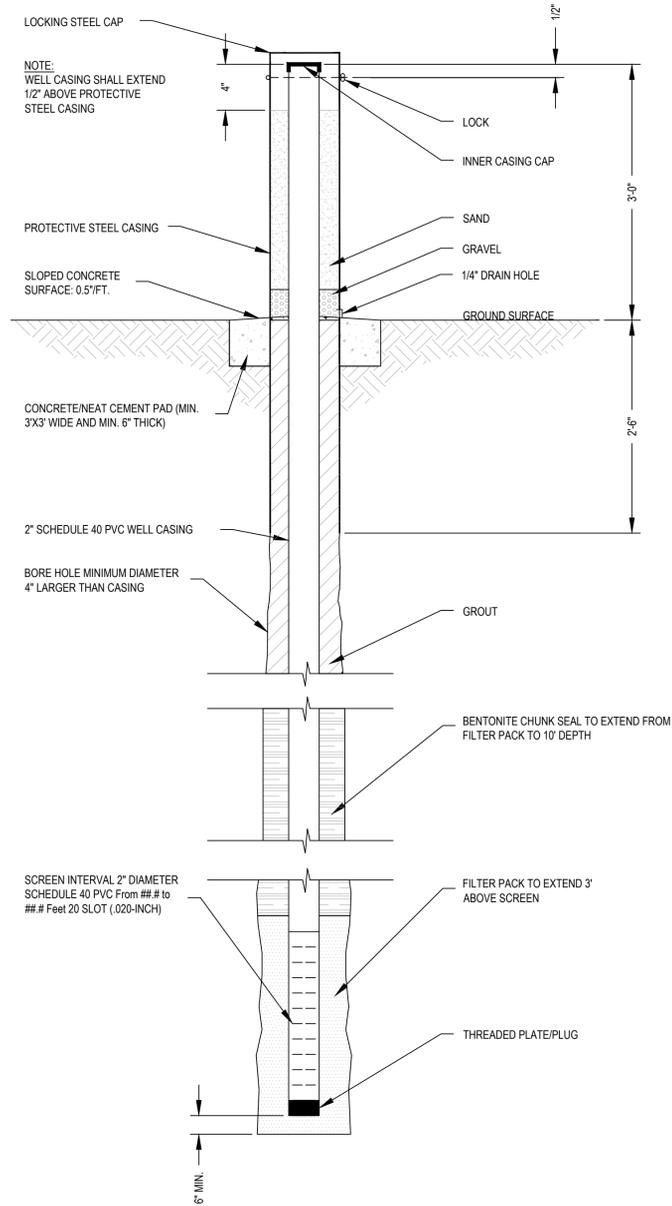
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Sheet Title:
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Project: *PROJ#
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Sheet No.
C-7.XX



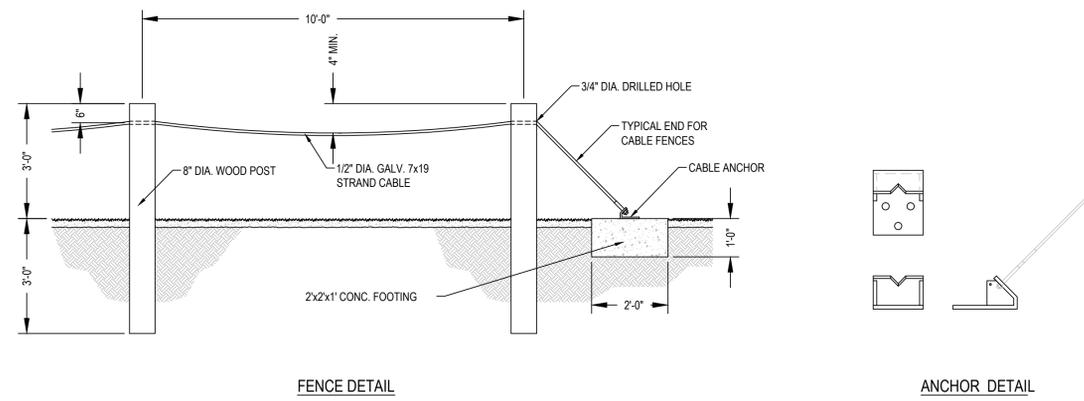
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Sheet Title:
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TEST PRODUCTION
WELL DETAILS**
Date Issued: *DATE*

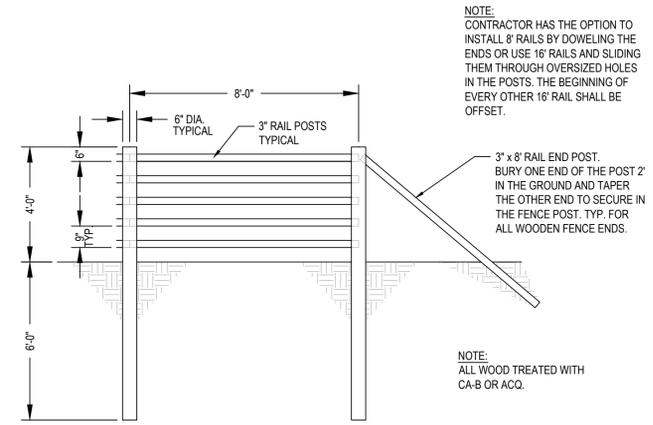
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Design: B&A Drawing: B&A Check: B&A

Sheet No.
C-7.XX



FENCE DETAIL

ANCHOR DETAIL



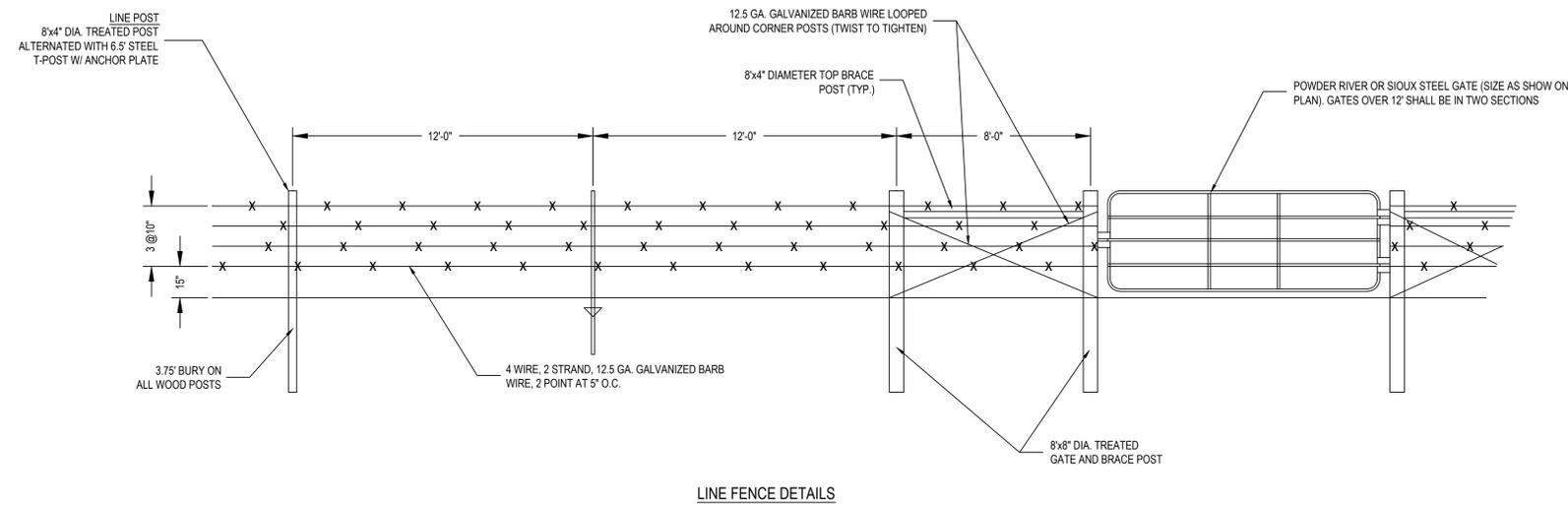
NOTE:
CONTRACTOR HAS THE OPTION TO
INSTALL 8 RAILS BY DOWELING THE
ENDS OR USE 16 RAILS AND SLIDING
THEM THROUGH OVERSIZED HOLES
IN THE POSTS. THE BEGINNING OF
EVERY OTHER 16' RAIL SHALL BE
OFFSET.

3" x 8" RAIL END POST.
BURY ONE END OF THE POST 2'
IN THE GROUND AND TAPER
THE OTHER END TO SECURE IN
THE FENCE POST. TYP. FOR
ALL WOODEN FENCE ENDS.

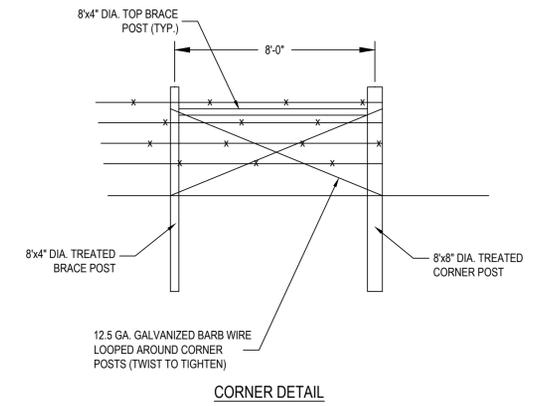
NOTE:
ALL WOOD TREATED WITH
C-A-B OR ACCQ.

3 NO SCALE CABLE FENCE DETAILS

1 NO SCALE WOOD RAIL FENCE



LINE FENCE DETAILS



CORNER DETAIL

4 NO SCALE BARBED WIRE FENCE DETAILS

PRELIMINARY PLAN
NOT TO BE USED FOR
CONSTRUCTION

Project Title:
PROJ1
PROJ2
CLIENT1
CLIENT2

Sheet Title:
FENCING DETAILS

Date Issued: *DATE*

Project: *PROJ#
CAD File: *CAD*
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B&A B&A

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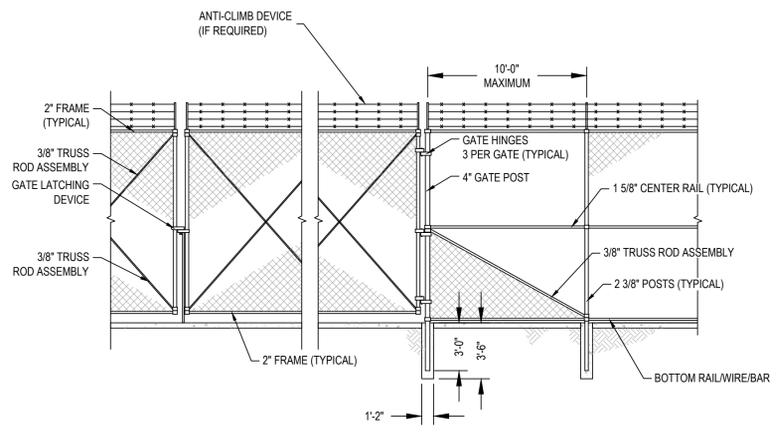
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 PROJ2
 CLIENT1
 CLIENT2

Sheet Title:
CHAIN LINK FENCING DETAILS

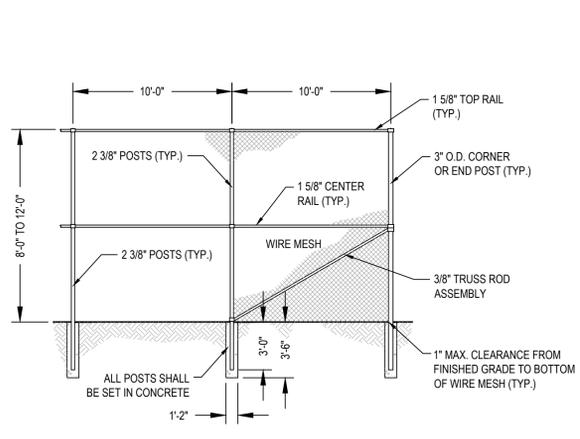
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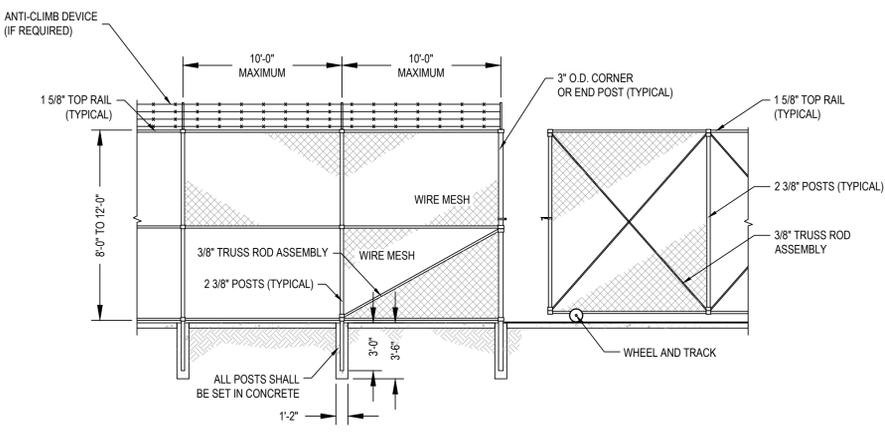
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C-7.XX



SWING GATE DETAIL

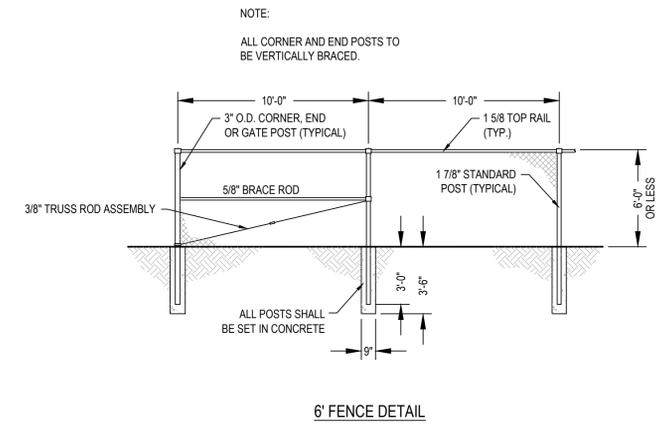


8' TO 12' FENCE DETAIL



SLIDE GATE DETAIL

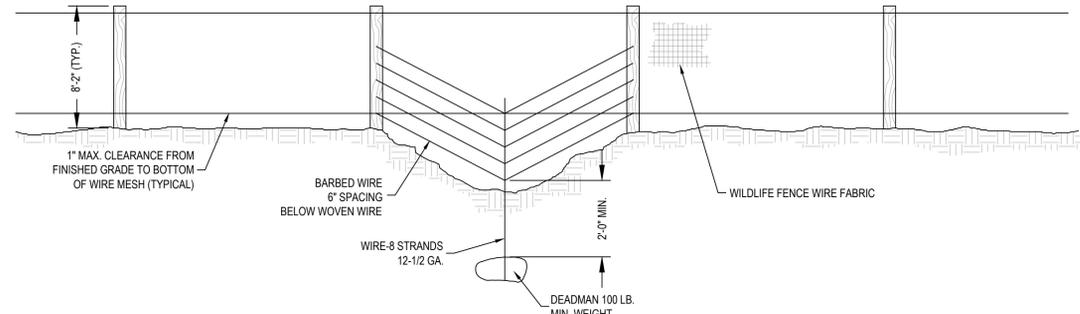
3 NO SCALE CHAIN LINK FENCE DETAILS: 8'-12'



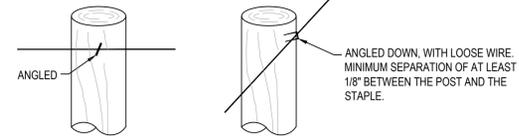
6' FENCE DETAIL

4 NO SCALE TITLE

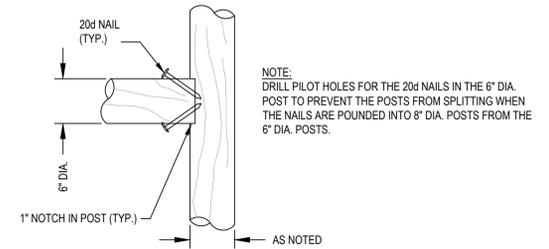
2 NO SCALE CHAIN LINK FENCE DETAILS: 4'-6'



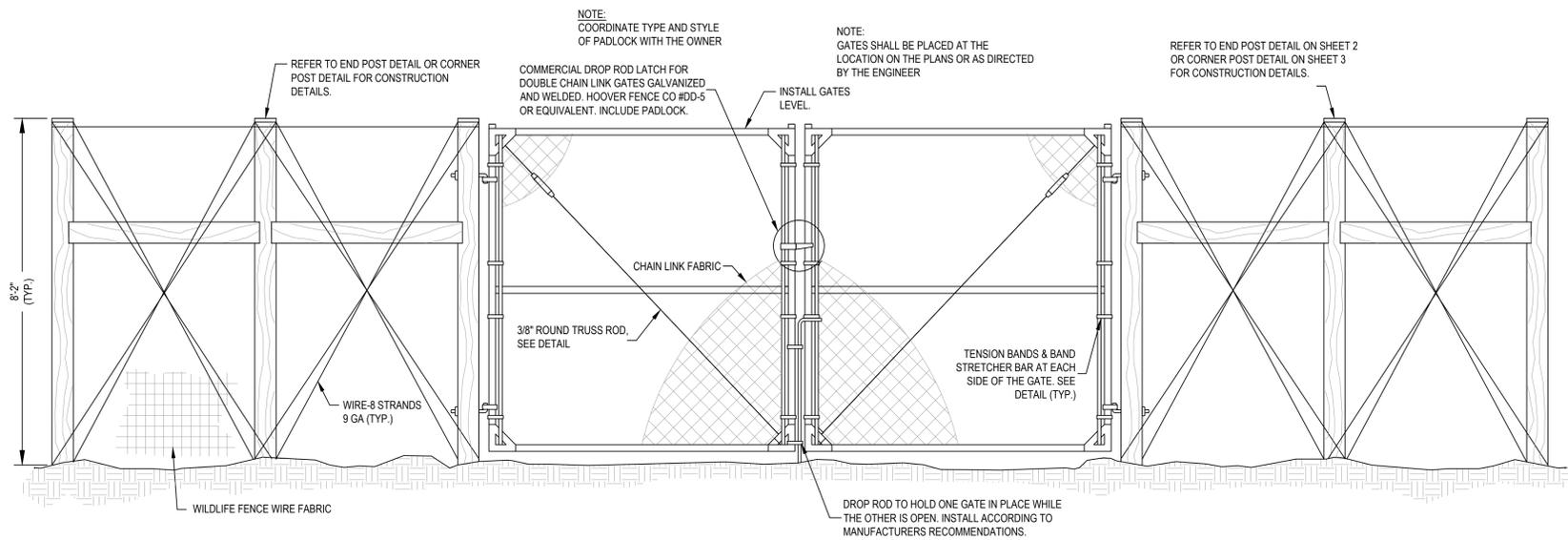
SMALL DEPRESSION DETAILS



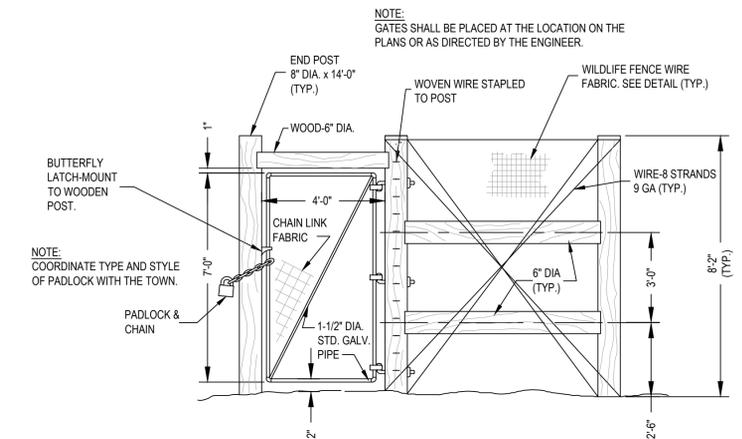
STAPLE DETAILS



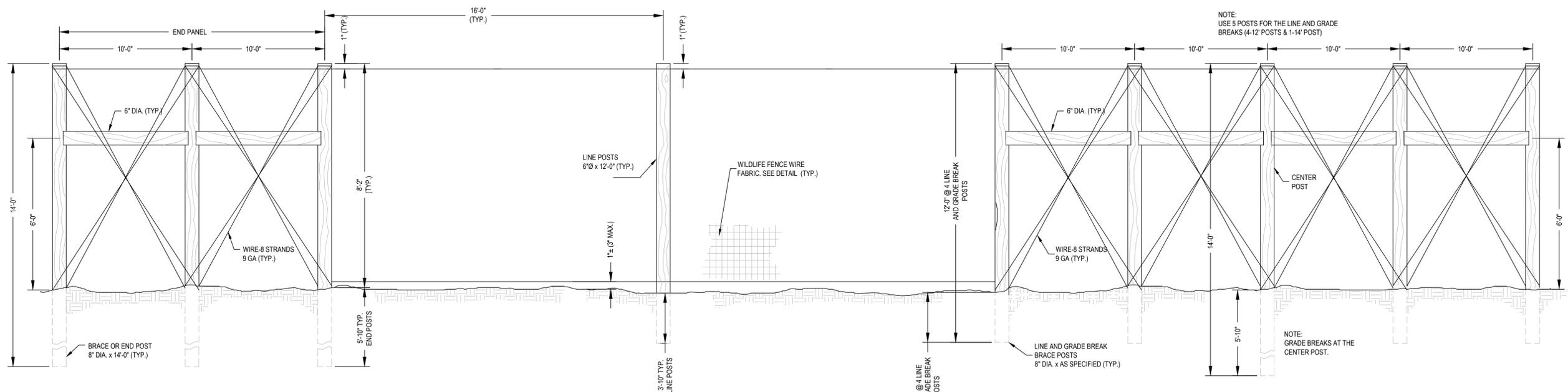
CROSSBRACE CONSTRUCTION DETAILS



WILDLIFE FENCE 8' DOUBLE GATE DETAILS



WILDLIFE FENCE 4' WALKING GATE DETAILS



END POST DETAILS

LINE FENCE DETAILS

LINE AND GRADE BREAK BRACE POST DETAILS

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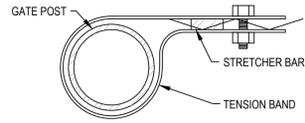
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PROJ1
PROJ2
CLIENT1
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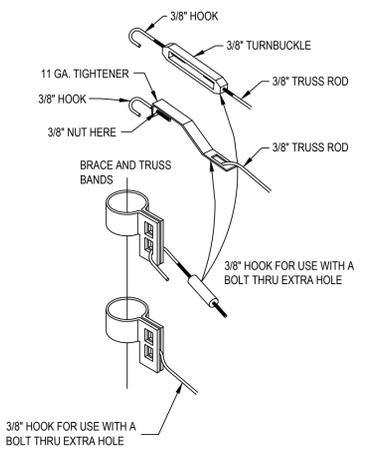
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Date Issued: *DATE*

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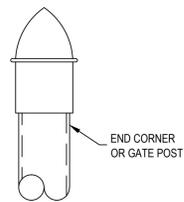
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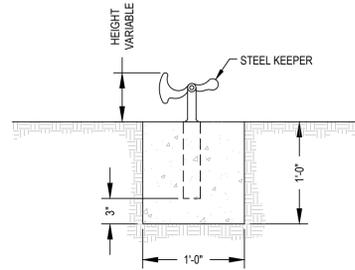
TENSION BAND & STRETCHER BAR DETAILS



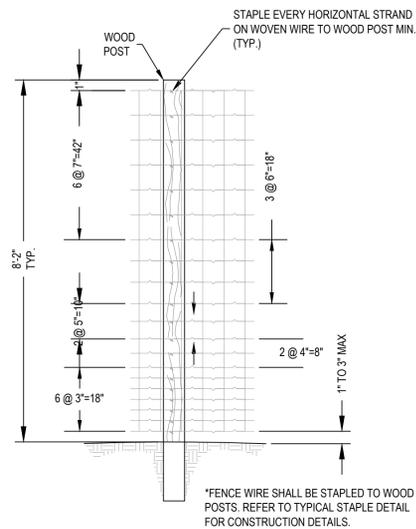
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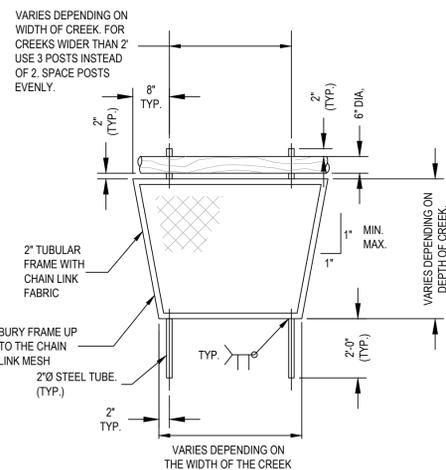
TERMINAL POST CAP DETAILS



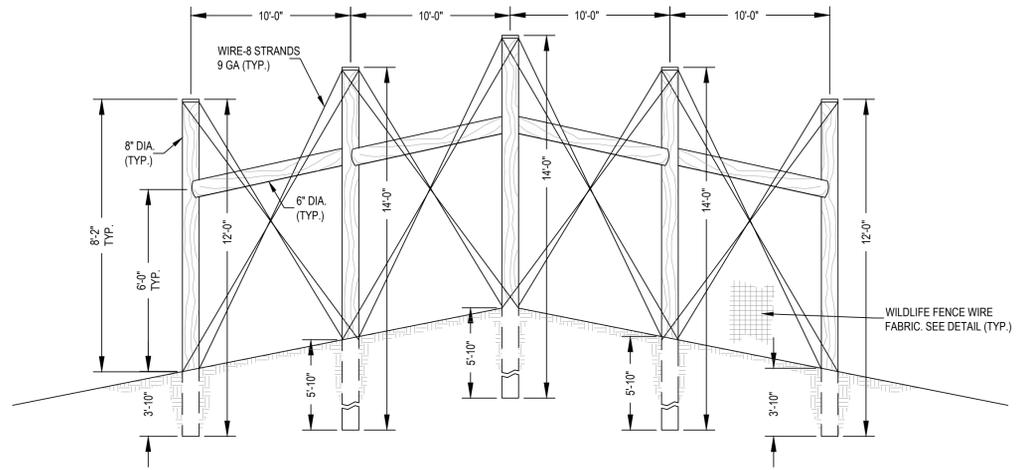
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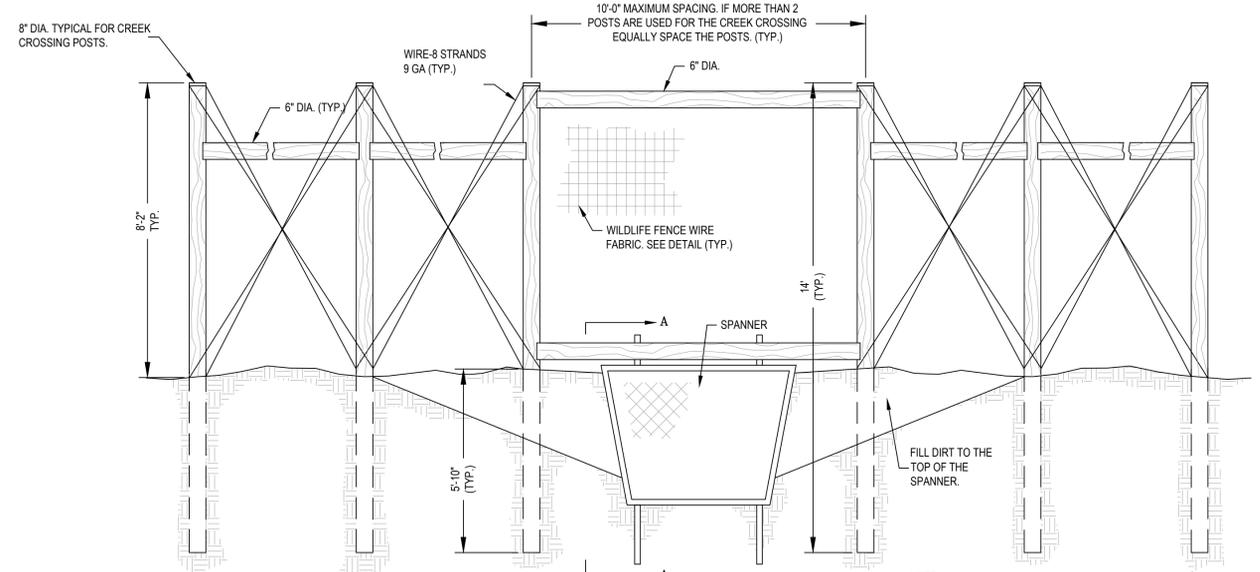
WIRE FABRIC DETAILS



SECTION A-A SPANNER DETAILS



CORNER POST DETAILS



CREEK CROSSING DETAILS

WILDLIFE FENCE NOTES:

- WOOD LINE POSTS AND CROSS BRACE MEMBERS SHALL BE 6" MINIMUM DIAMETER. WOOD BRACE AND END POSTS SHALL BE 8" MINIMUM DIAMETER REGARDLESS OF INSTALLATION METHOD. THE LARGE END OF POSTS SHALL BE PLACED DOWNWARD.
- A METAL FENCE POST (FOR GROUNDING PURPOSES) SHALL BE ADDED BETWEEN REGULAR WOOD POSTS AT INTERVALS NO GREATER THAN 500 FEET WITH NOT LESS THAN ONE METAL POST IN ANY LENGTH OVER 200 FEET BETWEEN OPENINGS. METAL POSTS SHALL BE 10 FEET LONG GALVANIZED AND DRIVEN A MINIMUM OF 2 FEET INTO THE SOIL.
- LINE BRACE POSTS SHALL BE PLACED AT 500' INTERVALS WHERE THE FENCE IS CONTINUOUS OR LOCATIONS DESIGNATED BY THE ENGINEER.
- WOVEN WIRE SHALL BE SINGLE WRAPPED OR TIED OFF AT END POSTS. FENCE THAT IS CONTINUED, SHALL BE RESTARTED IN A LIKE MANNER.
- GAPS GREATER THAN 6" THAT ARE CREATED BETWEEN THE TERRAIN AND THE BOTTOM RUN OF WOVEN WIRE SHALL BE FENCED AS SHOWN ON SMALL DEPRESSION DETAIL (PREVIOUS SHEET). THIS WORK SHALL BE CONSIDERED INCIDENTAL.

120 East 16th St.
Scottdale, NE 68061
408.639.9163
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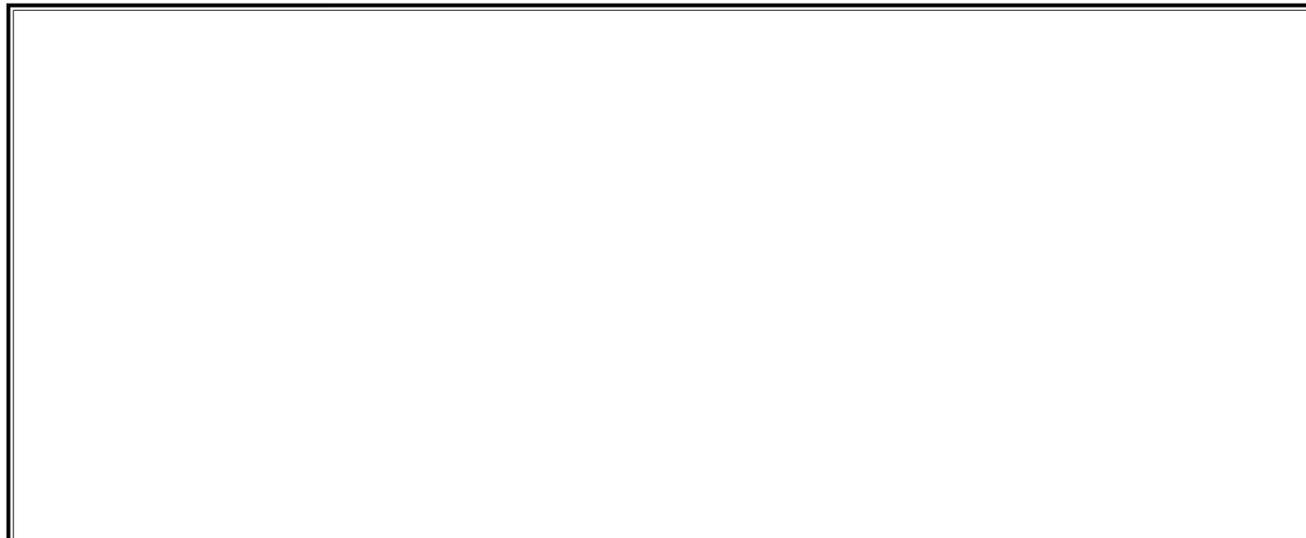
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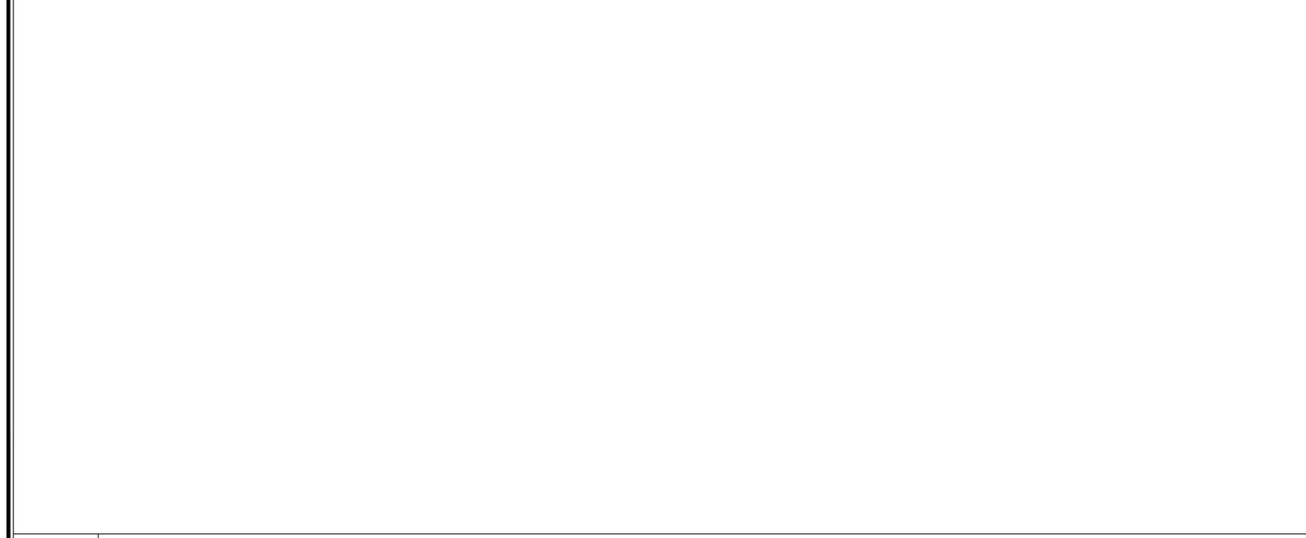
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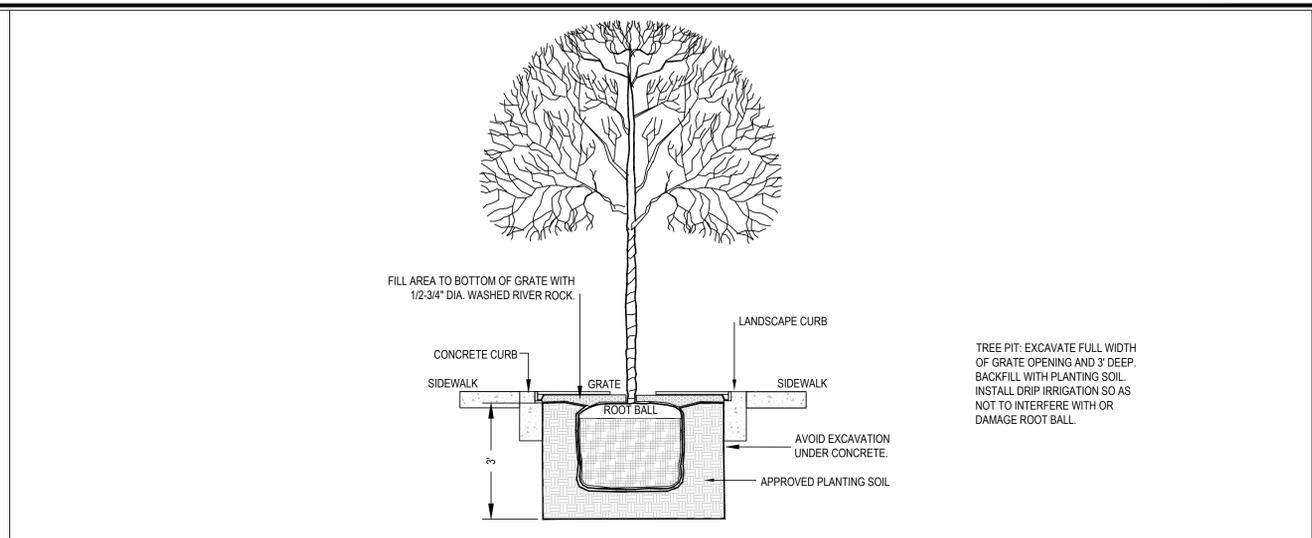
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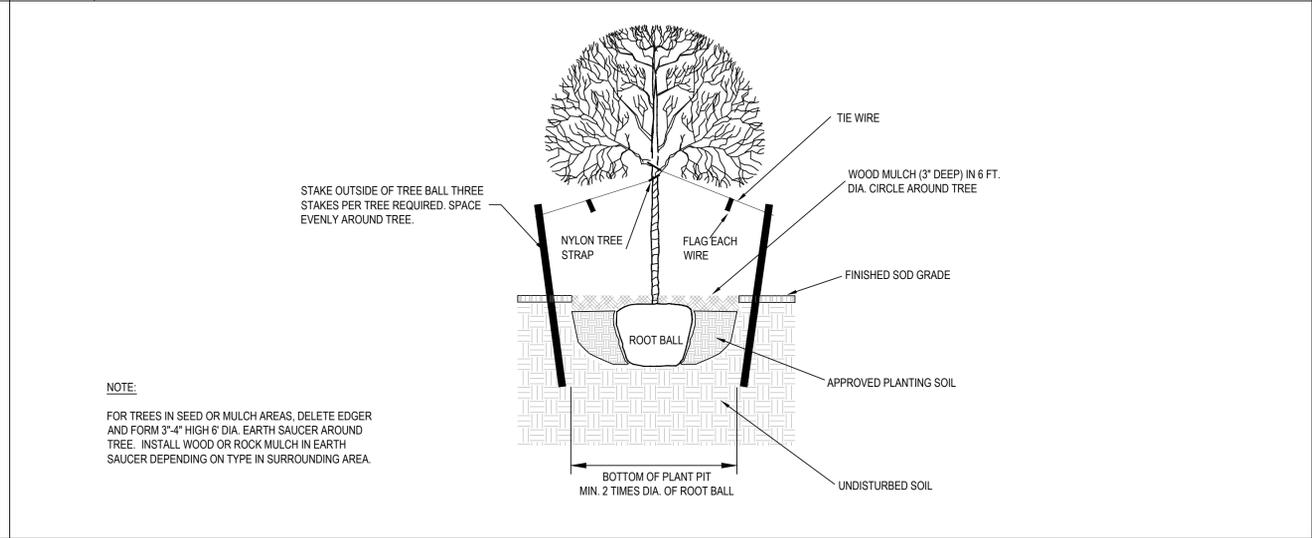
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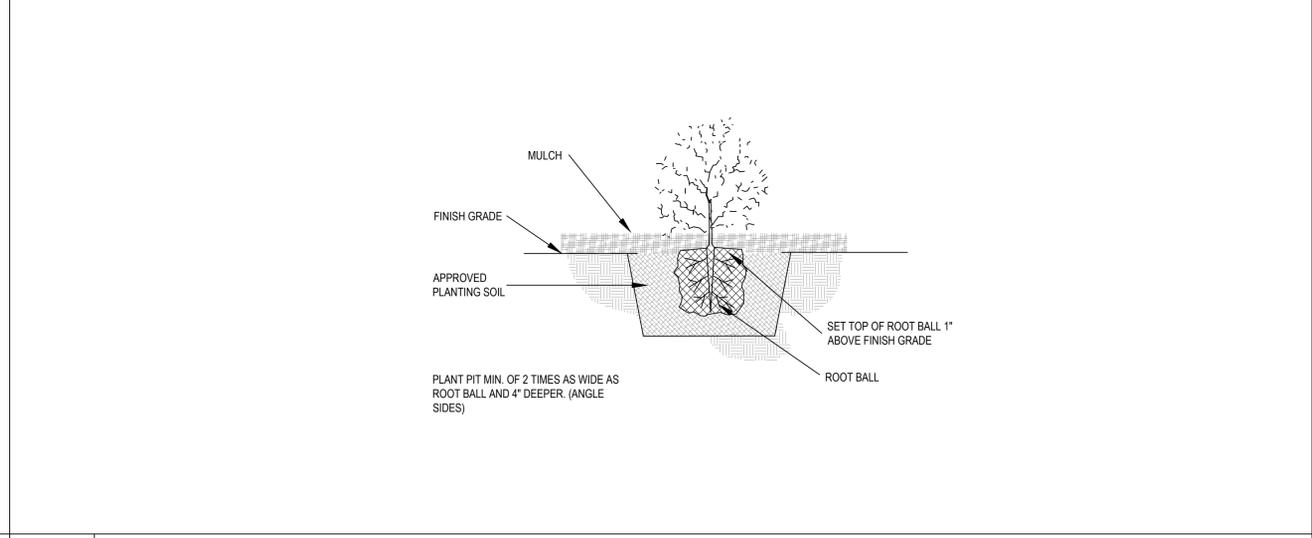
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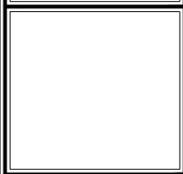
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2 NO SCALE TYPICAL TREE PLANTING DETAILS



3 NO SCALE SHRUB PLANTING DETAILS



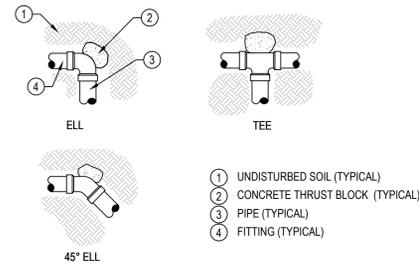
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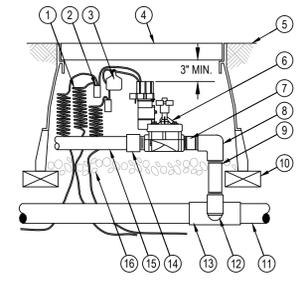
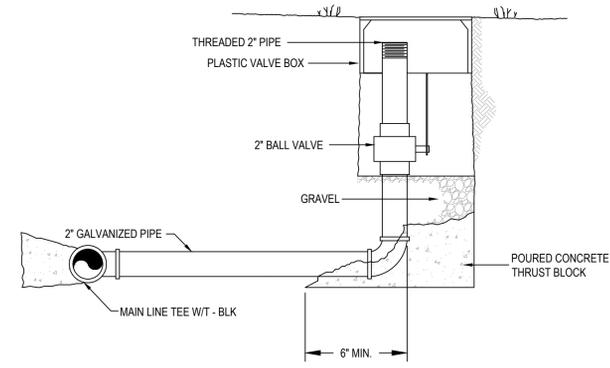
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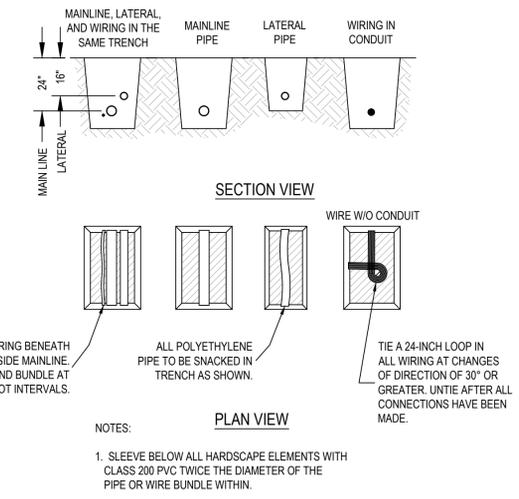
Sheet No.
L-4.XX



- NOTES:
- SUPPLY LINES 4-INCHES IN DIAMETER AND LARGER SHALL RECEIVE CONCRETE THRUST BLOCKS.
 - 2 SQ. FT. BEARING AREA ON UNDISTURBED SOIL.



- 18-INCH LINEAR LENGTH OF WIRE, COILED
- WATER PROOF CONNECTION
- ID TAG
- VALVE BOX WITH COVER: 12-INCH SIZE
- FINISH GRADE/TOP OF MULCH
- REMOTE CONTROL VALVE
- PVC SCH 80 NIPPLE (CLOSE)
- PVC SCH 80 ELL
- PVC SCH 80 NIPPLE (LENGTH AS REQUIRED) BRICK (4 REQUIRED)
- MAIN LINE
- SCH 80 NIPPLE AND SCH 40 ELL
- PVC SCH 40 TEE OR ELL
- PVC SCH 40 MALE ADAPTER
- LATERAL PIPE
- 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

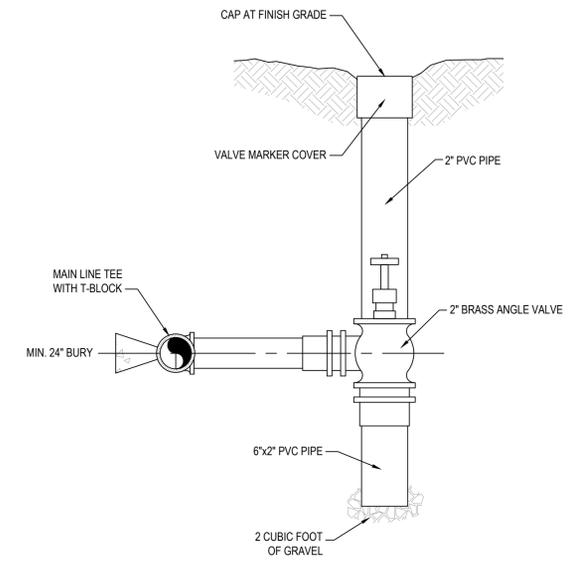
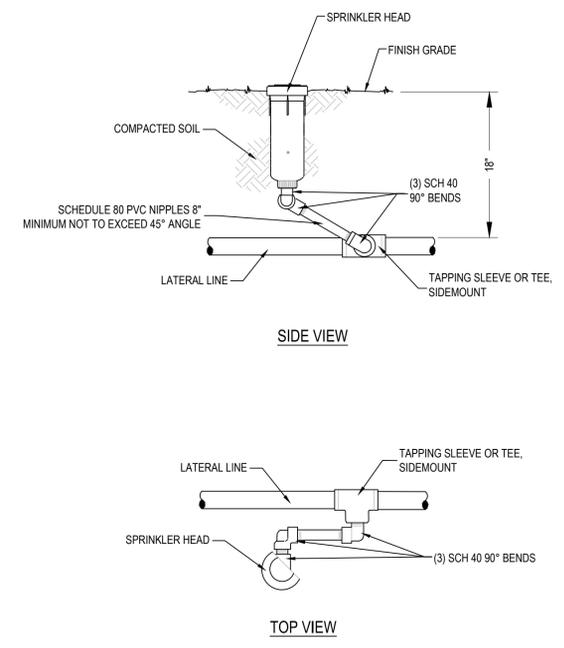
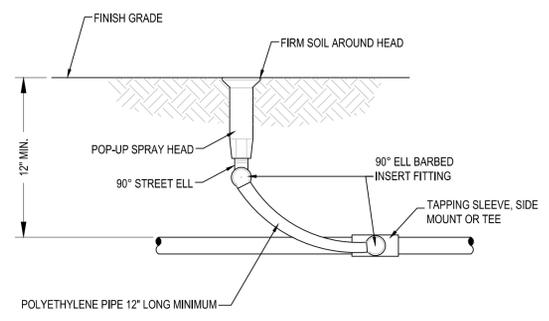
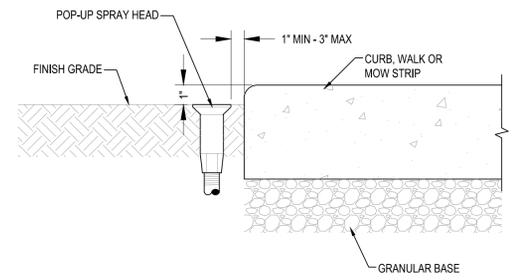


7 NO SCALE THRUST BLOCK DETAILS

5 NO SCALE BLOW-OFF DETAILS

3 NO SCALE REMOTE CONTROL VALVE DETAILS

1 NO SCALE PIPE & WIRE TRENCHING DETAILS



8 NO SCALE SPRINKLER HEAD NEXT TO PAVEMENT

6 NO SCALE SPRINKLER HEAD ASSEMBLY

4 NO SCALE ALTERNATE SPRINKLER HEAD ASSEMBLY

2 NO SCALE DRAIN VALVE DETAILS

PRELIMINARY PLAN
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 CONSTRUCTION

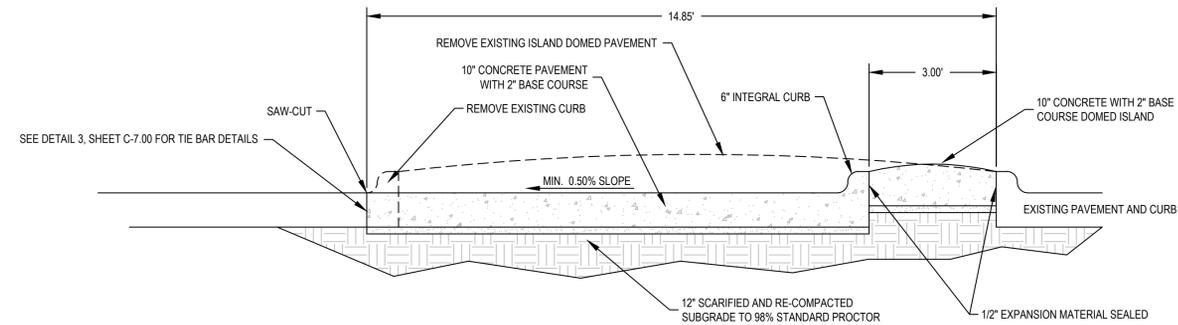
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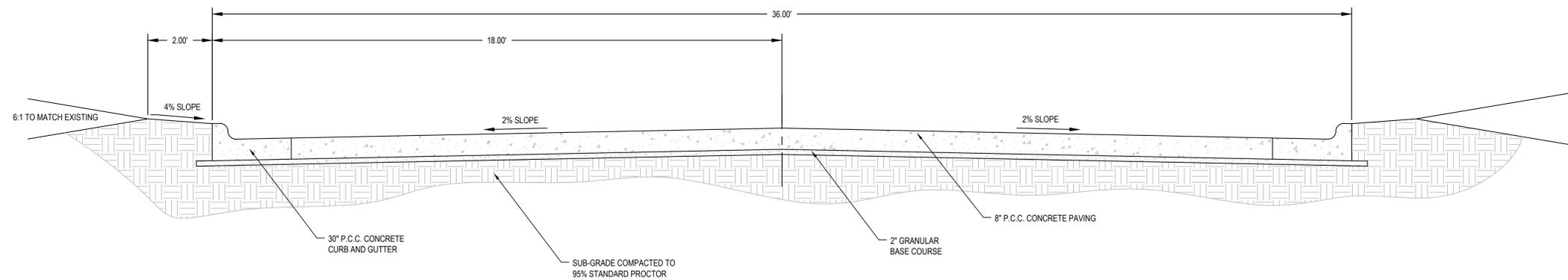
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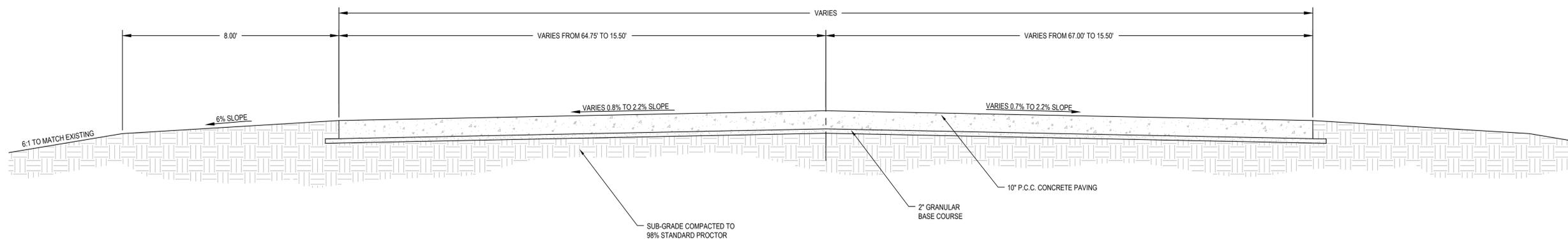
TYPICAL SECTIONS



STATION 100+00 LEFT - HIGHWAY ISLAND



STATION 101+02.05 TO 105+92.928



STATION 100+30.93 TO 100+93.81

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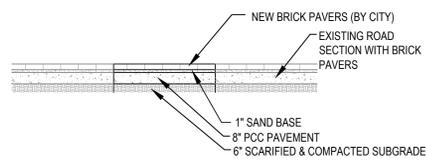
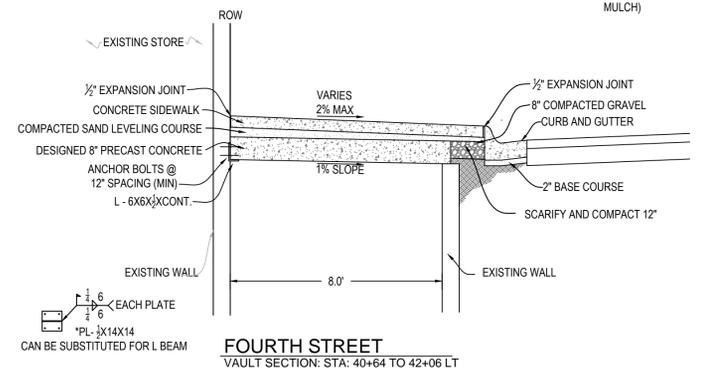
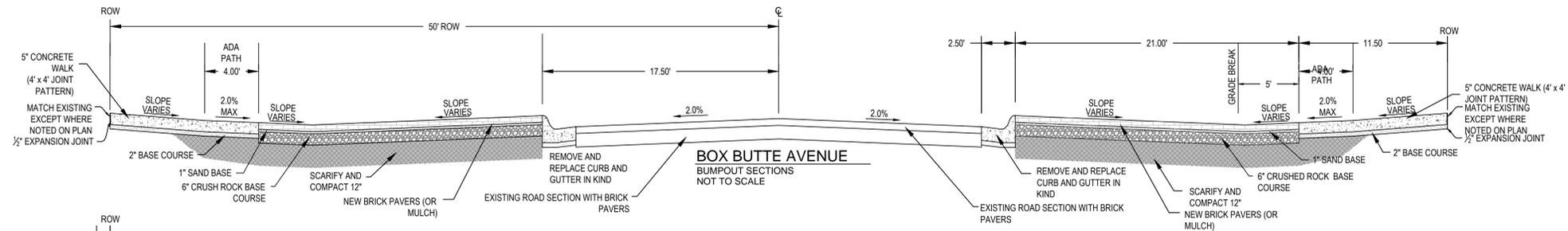
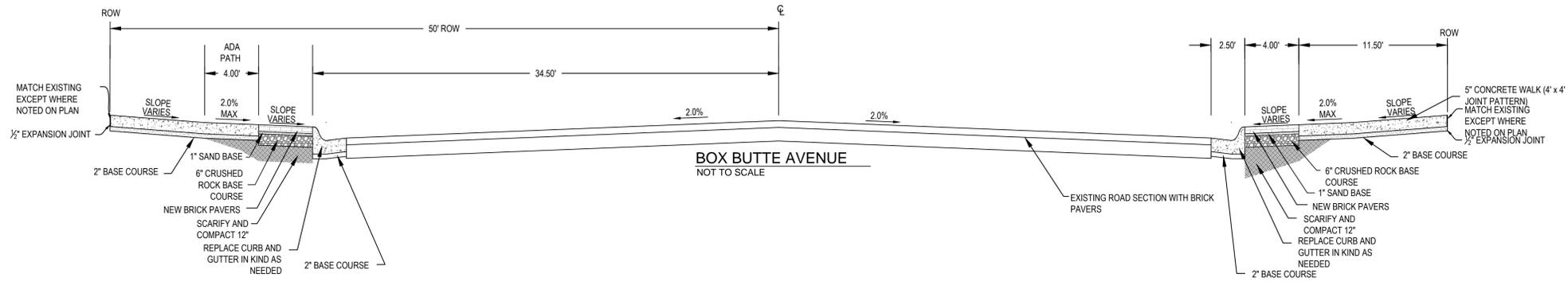
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STREET IMPROVEMENT DISTRICT NO. 54
 Jennifer Lane
 CITY OF SINDEY
 Sidney, Nebraska

Sheet Title:
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 Date Issued: November 04, 2014

Project: 066-145-13
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 Drawing: B&A
 Check: B&A

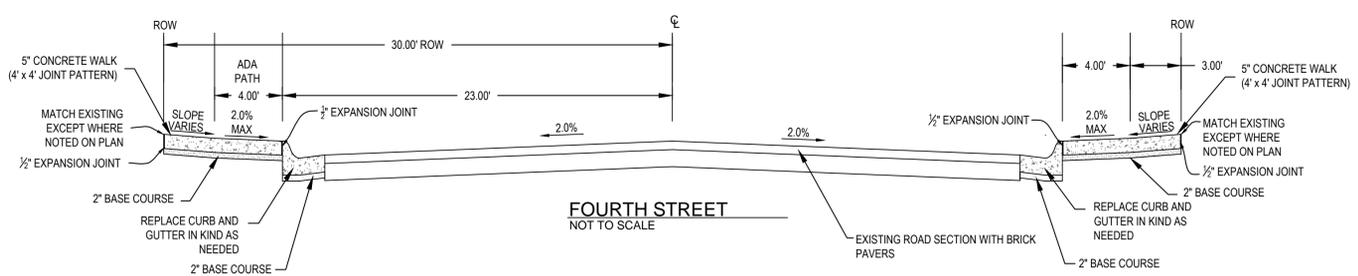
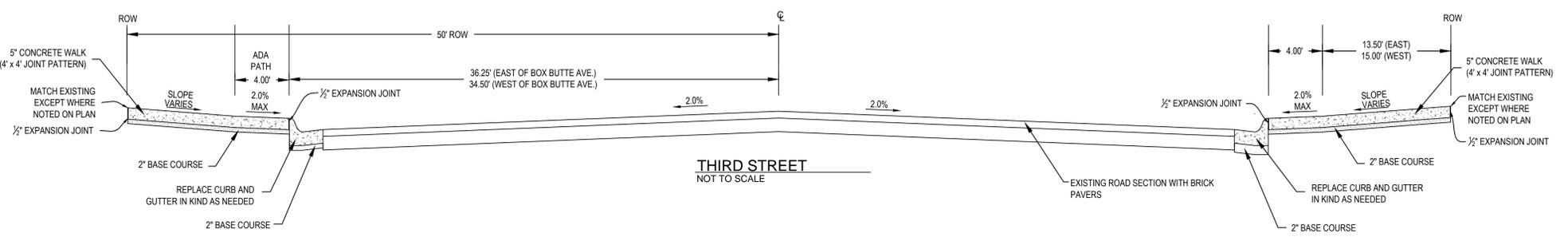
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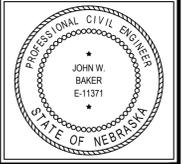
NOTE: ALL EXPANSION JOINTS SHALL BE SEALED WITH SONNEBORN SONOLASTIC SL-1 OR EQUAL.

NOTE: DESIGN OF 8" PRECAST CONCRETE SLAB SHALL BE A 6,000 LB WHEEL LOAD (DISTRIBUTED OVER A 20 SQUARE INCH AREA) DUE TO A FORKLIFT.



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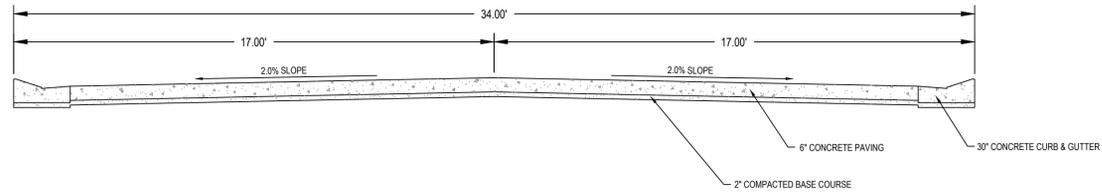


Project Title:
BOX BUTTE AVENUE LIGHTING AND SITE IMPROVEMENTS
CITY OF ALLIANCE, NEBRASKA
RE-BID PACKET

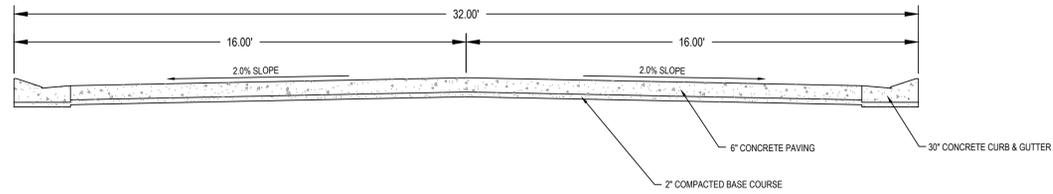
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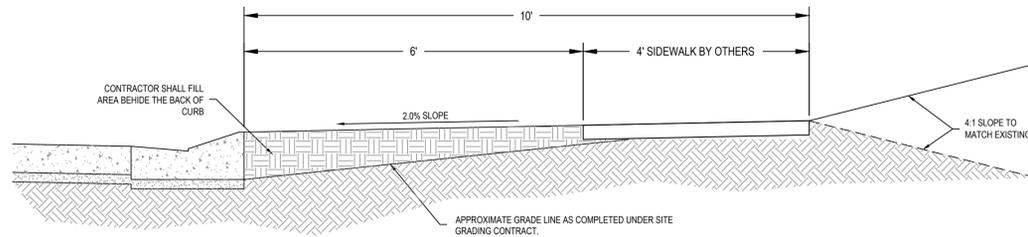
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2-T



TYPICAL STREET CROSS SECTION - 38TH STREET



%%TYPICAL STREET CROSS SECTION - SAGEBRUSH DRIVE, MAPLE DRIVE, ASPEN DRIVE & 36TH STREET
NO SCALE



TYPICAL CROSS SECTION - BACK OF CURB GRADING
NO SCALE

