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PROJECT 11515
MCDUFFIE PARKING LOT EXPANSION



NOVEMBER 2025

REVISIONS	
DATE	DESCRIPTION



PROJ. NO.: 11515
TASK NO.: 1
SCALE: N.T.S.
DRAWING NO.: A1

GENERAL NOTES

1.

CONSTRUCTION PRACTICES AND PROCEDURES SHALL MEET ALDOT STANDARD SPECIFICATIONS AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST ADDITIONS. THE CONTRACTOR SHALL HAVE COPIES OF THE FOLLOWING PUBLICATIONS FOR REFERENCE:
- STATE OF ALABAMA HIGHWAY DEPARTMENT, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, MOST CURRENT EDITION

•

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), PART VI
2.

IT IS THE CONTRACTOR’S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
3.

VEGETATION AND EXISTING TOPSOIL IS TO BE STRIPPED PRIOR TO SUBGRADE OR FILL PLACEMENT. PAYMENT FOR THIS IS UNDER "UNCLASSIFIED EXCAVATION."
4.

MANUFACTURING AND INSTALLATION OF CONCRETE STRUCTURES AND PIPES SHALL BE H20 TRAFFIC RATED.
5.

SPOT ELEVATIONS SHOWN REPRESENT EDGE OF ASPHALT ELEVATION UNLESS OTHERWISE NOTED.
6.

CONTRACTOR MAY SUBMIT A REQUEST FOR INFORMATION FOR SITE COORDINATES (NORTHINGS, EASTINGS, & BEARINGS) OF GEOMETRIC LAYOUT AND DRAINAGE INFRASTRUCTURE.
7.

EXISTING ROCK LOCATED AROUND THE PERIMETER OF THE EXISTING WAREHOUSE SHALL BE RELOCATED TO AN AREA NEAR THE SITE AND NEATLY STOCKPILED AS DIRECTED.
8.

THE CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION RECOGNIZED IN THE PLANS OR SPECIFICATIONS.
9.

THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, SAFETY, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

EROSION CONTROL NOTES

1.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION CONTROL DEVICES AS NEEDED TO PREVENT SEDIMENTATION INTO DRAINAGE OUTLETS AND LIMIT TRACKING ON TO ASPHALT.
2.

ALL DISTURBED AREAS NOT PAVED ARE TO BE STABILIZED WITH TOPSOIL, SEEDING, AND MULCHING OR SOD AS SOON AS POSSIBLE.
3.

ANY SEED AND MULCH SHALL BE APPLIED AND MAINTAINED ACCORDING TO ALABAMA SOIL AND WATER CONSERVATION COMMITTEE GUIDE FOR EROSION & SEDIMENT CONTROL, CURRENT EDITION.
4.

CONTRACTOR SHALL ADHERE TO THE ALABAMA HANDBOOK FOR EROSION AND SEDIMENT CONTROL.

FENCING NOTES

1.

TEMPORARY FENCING SHALL BE 6 FT TALL PANEL FENCE WITH WEIGHTED BASES. PRIOR TO INSTALLATION OF THE PERIMETER FENCING, THE WORK ZONE IS DESIGNATED AS A SECURE/RESTRICTED ACCESS AREA. THE FENCING CONTRACTOR MUST HAVE AN ALABAMA STATE PORT AUTHORITY ISSUED PHOTO ID BADGE. PORT ACCESS POLICY CAN BE FOUND HERE: <https://www.alports.com/port-access/>
2.

THE TEMPORARY FENCING SHALL BE INSTALLED TO FULLY ENCLOSE ALL WORK ACTIVITIES, ESTABLISHING A DEFINED PERIMETER BETWEEN THE WORK ZONE AND THE ADJACENT RESTRICTED AREAS OUTSIDE (e.g. MCDUFFIE COAL TERMINAL).
3.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE PERIMETER FENCE INSTALLATION, UNDERGROUND CONDUITS, AND GROUNDING ROD WITH THE SECURITY CONTRACTOR RESPONSIBLE FOR THE TURNSTILE INSTALLATION. PAYMENT FOR THIS IS UNDER "COORDINATION WITH SECURITY CONTRACTOR."

ELECTRICAL INFRASTRUCTURE NOTES

1.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE PERIMETER FENCE INSTALLATION, UNDERGROUND CONDUITS, AND GROUNDING ROD WITH THE SECURITY CONTRACTOR RESPONSIBLE FOR THE TURNSTILE INSTALLATION. PAYMENT FOR THIS IS UNDER "COORDINATION WITH SECURITY CONTRACTOR."
2.

ALL CONDUIT SHALL BE 1–1/2” SCHEDULE 80 PVC.
3.

ALL ABOVE GRADE CONDUIT TERMINATIONS SHALL BE 18” ABOVE FINISHED GRADE.
4.

ALL 90 DEGREE BENDS IN THE CONDUIT SHALL BE ACCOMPLISHED USING PREFORMED 12” RADIUS SCHEDULE 80 PVC.

ELECTRICAL INFRASTRUCTURE NOTES (ADDITIVE ALTERNATE)

1.

ALL "HAND HOLES" SHALL BE UL LISTED 8”(W) X 8”(L) X 12”(D) WITH A GASKETED COVER AND ANSI TIER 5 RATED OR GREATER.
2.

ALL UNDERGROUND CONDUIT ENTERING HAND HOLES SHALL BE SEALED TO PREVENT MOISTURE FROM ENTERING HAND HOLE ENCLOSURES
3.

ALL LIGHT POLE PADS SHALL HAVE FOUR (4) J–BOLTS INSTALLED USING "LED LIGHTING SUPPLY" KIT NUMBER MLLG–WL–POLE–SQ–4_KIT BZ OR EQUAL. ALL COMPONENTS OF THE KIT SHALL BECOME THE PROPERTY OF THE ALABAMA STATE PORT AUTHORITY UPON COMPLETION OF THE PROJECT.
4.

ALL LIGHT POLE PADS SHALL BE 4’(W) X 4’(L) X 18” (D) USING A 3000 PSI CONCRETE MIX.

McDuffie Warehouse Parking Lot Expansion				
Base Bid				
Item No.	ALDOT Pay Item	Description	Qty	Units
4.0	206D-011	Remove Existing Fence	85	LF
5.0	634B-002	Install New Perimeter Fence, 8ft Tall with Barbed Wire	830	LF
6.0		Install Temporary Fence	950	LF
7.0	206E-000	Removing Headwalls	1	EA
8.0		Relocate Rock to Location Directed by Alabama Port Authority	300	SQ YD
9.0	210A-000	Unclassified Excavation	1500	CYIP
10.0	210D-012	Borrow Excavation (A-2-4(0) Or A-4(0))	300	CYIP
11.0	230	6" ALDOT Section 230 Modified Roadbed or Improved Roadbed Compacted to 100% Standard Proctor Density	3940	SQ YD
12.0	301A-012	Crushed Aggregate Base Course, Type B. Plant Mixed 6" Compacted Thickness	3900	SQ YD
13.0	424A-341	Superpave Bituminous Concrete Wearing Surface Layer, 3/4" Maximum Aggregate Size Mix, ESAL Range A/B	450	TON
14.0	530A-001	18" Roadway Pipe (Class 3 R.C) - includes tying into existing inlets	40	LF
15.0	530B-000	18" Span, 11" Rise Roadway Pipe (Class 3 R.C.) - includes concrete collar	48	LF
16.0		18" Span, 11" Rise Concrete 4:1 Slope Paved Headwall (Double Line)	1	EA
17.0		8" Thick Concrete Sidewalk Adjacent to Asphalt	460	LF
18.0		Concrete Parking Bumpers	53	EA
19.0	618A-000	4" Thick Concrete Sidewalk (3000 psi Mix)	265	SQ YD
20.0	618B-003	Concrete Pavement, 6" Thick (Includes Wire Mesh) 4000 psi Mix	144	SQ YD
21.0		Install New Inlet Structure w/ Relocated Grate (Structure "A")	1	EA
22.0		Modify Inlet w/ Manhole Frame & Cover (Structures "B" & "D")	2	EA
23.0		Install New Inlet & Box (Structure "C")	1	EA
24.0	650A-000	Topsoil	125	CUYD
25.0	654A-000	Solid Sodding	1100	SQ YD
26.0		Seeding & Mulching	400	SQ YD
27.0		4" Wide White Striping (ALDOT Class 1)	1865	LF
28.0		6" Diameter Bollards (Per Detail)	11	EA
29.0		Coordination with Security Contractor	1	LS
30.0		Construction Entrance Installation & Removal	1	EA
31.0		Concrete Washout	1	EA
32.0	665J-002	Silt Fence Installation & Removal	150	LF

ADDITIIVE ALTERNATE - ELECTRICAL CONDUITS AND HANDHOLES			
Item No.	Description	Qty	Units
33.0	1-1/2" Schedule 80 PVC (includes fittings, bends, and pull strings)	300	LF
34.0	Concrete Pad Lightpole Foundation per detail	4	EA
35.0	8" Electrical Hand Hole	4	EA
36.0	6" Diameter Bollards (Per Detail)	3	EA

PROJECT 11515

MCDUFFIE PARKING LOT EXPANSION

PROJECT NOTES

REVISIONS

DESCRIPTION

DATE

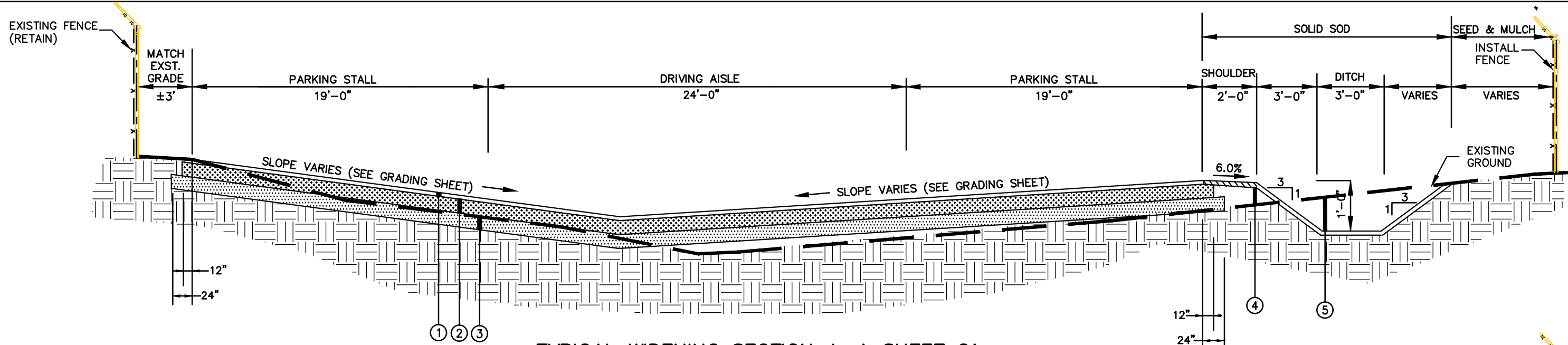


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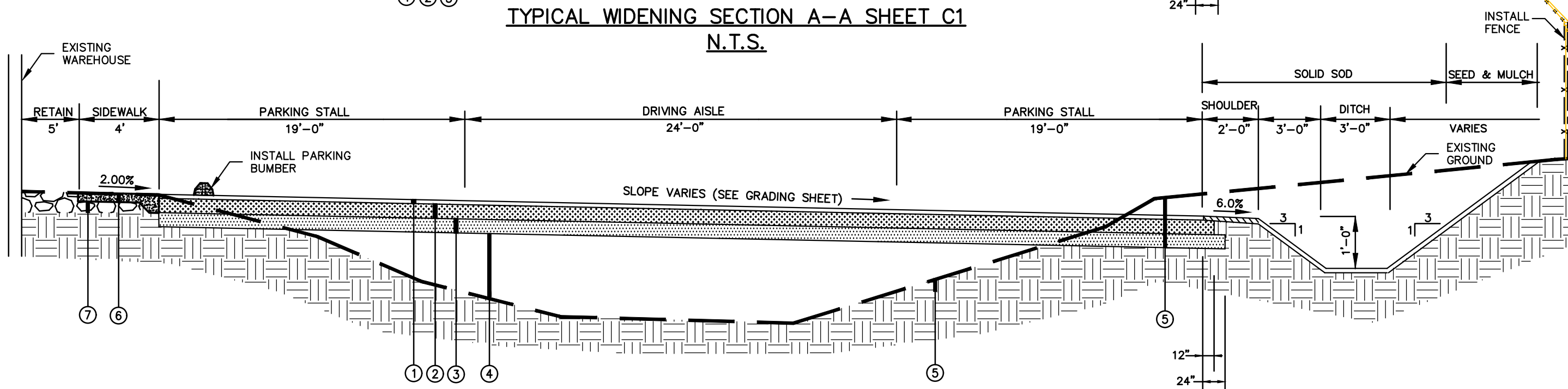
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SCALE: N.T.S.

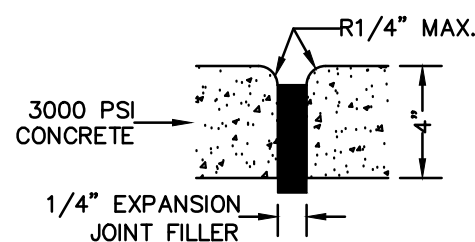
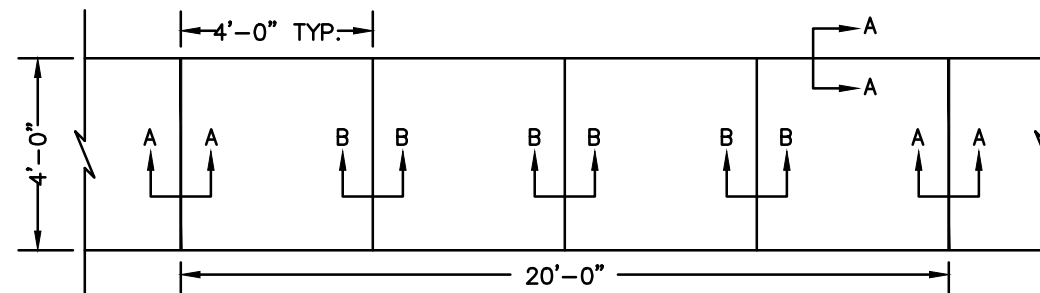
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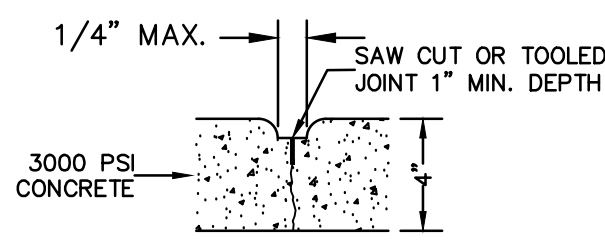
TYPICAL WIDENING SECTION A-A SHEET C1
N.T.S.



TYPICAL WIDENING SECTION B-B SHEET C1
N.T.S.



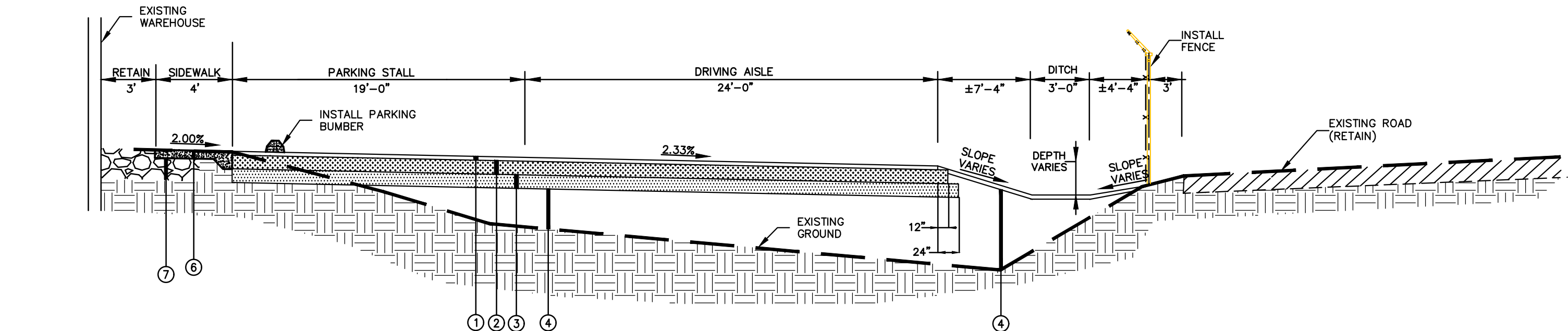
SECTION A
EXPANSION JOINT



SECTION B
CONSTRUCTION
CONTROL JOINT

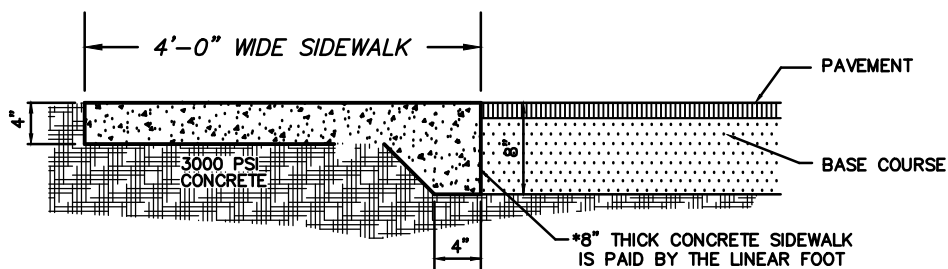
ROADWAY STRUCTURE DESCRIPTION

- ① SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B, 220 POUNDS PER SQUARE YARD. ITEM: 424A-341
- ② CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED. 6" COMPACTED THICKNESS. ITEM: 301A-012
- ③ 6" ALDOT SECTION 230 MODIFIED OR IMPROVED ROADBED COMPACTED TO 100% OF THE STANDARD DENSITY.
- ④ BORROW EXCAVATION [(A-2-4(0) OR A-4(0)]. ITEM: 210D-012
- ⑤ UNCLASSIFIED EXCAVATION ITEM: 210A-000
- ⑥ 4' WIDE CONCRETE SIDEWALK (3000 PSI) PER DETAIL SHEET B3
- ⑦ RELOCATE EXISTING ROCK TO LOCATION DIRECTED BY ASPA

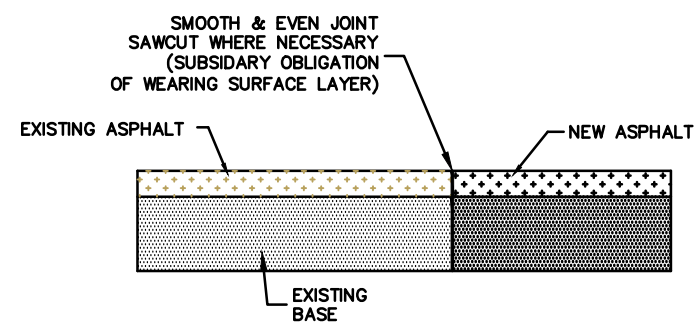


ROADWAY STRUCTURE DESCRIPTION

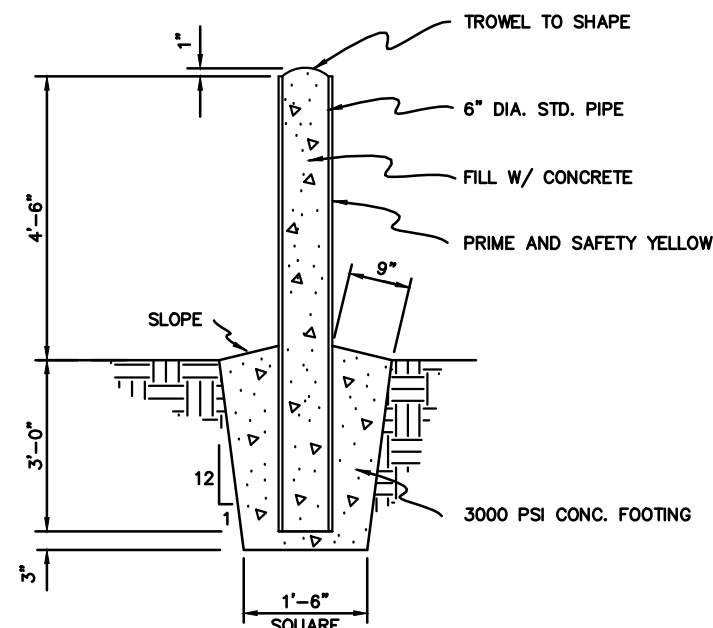
- ① SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B, 220 POUNDS PER SQUARE YARD. ITEM: 424A-341
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- ④ BORROW EXCAVATION [(A-2-4(0) OR A-4(0))].ITEM: 210D-012
- ⑤ UNCLASSIFIED EXCAVATION ITEM: 210A-000
- ⑥ 4' WIDE CONCRETE SIDEWALK (3000 PSI) PER DETAIL SHEET B3
- ⑦ RELOCATE EXISTING ROCK TO LOCATION DIRECTED BY ASPA



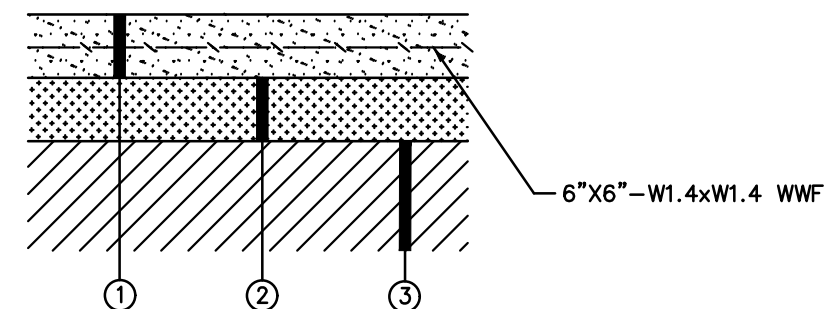
FLUSH SIDEWALK ADJACENT TO ASPHALT DETAIL



BUTT JOINT DETAIL

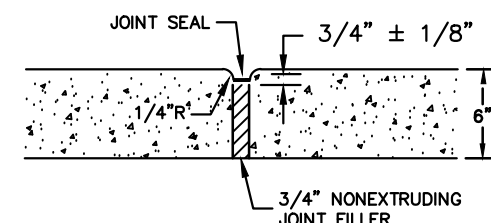


PIPE BOLLARD DETAIL



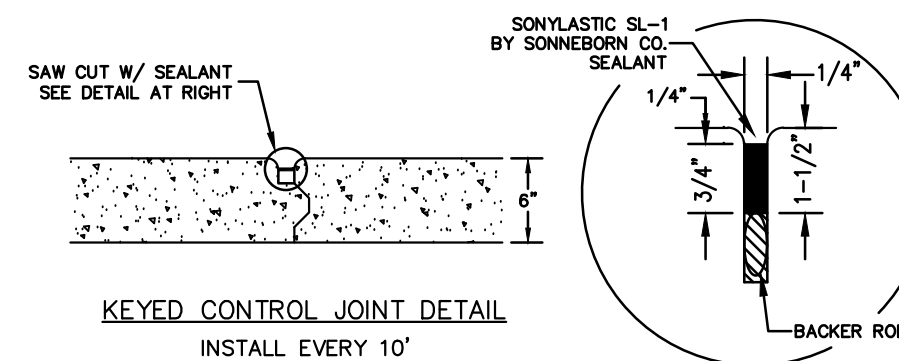
TYPICAL CONCRETE BUILD-UP

1. 6" THICK PORTLAND CEMENT (4000 PSI) WITH WIRE MESH
2. CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED. 6" COMPACTED THICKNESS. ITEM: 301A-012
3. 6" ALDOT SECTION 230 MODIFIED OR IMPROVED ROADBED COMPACTED TO 100% OF THE STANDARD DENSITY.



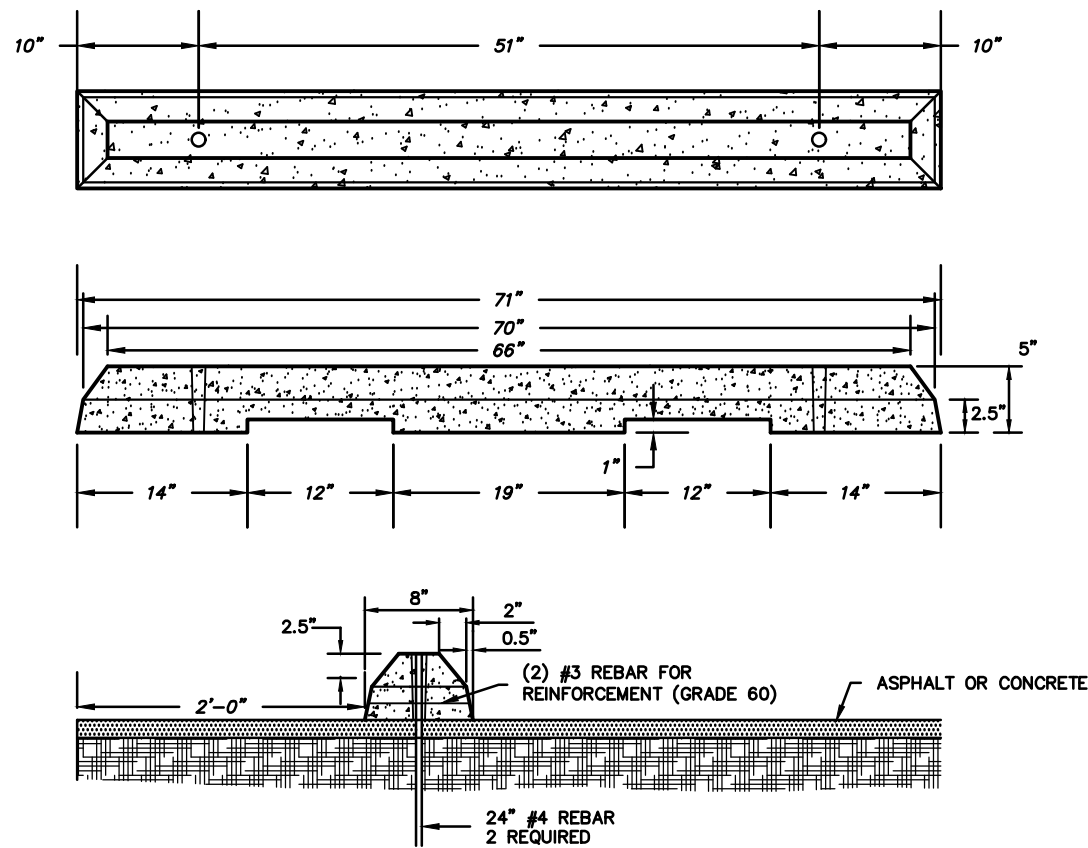
EXPANSION JOINT DETAIL

INSTALL EVERY 20' AND AT ASPHALT JOINT



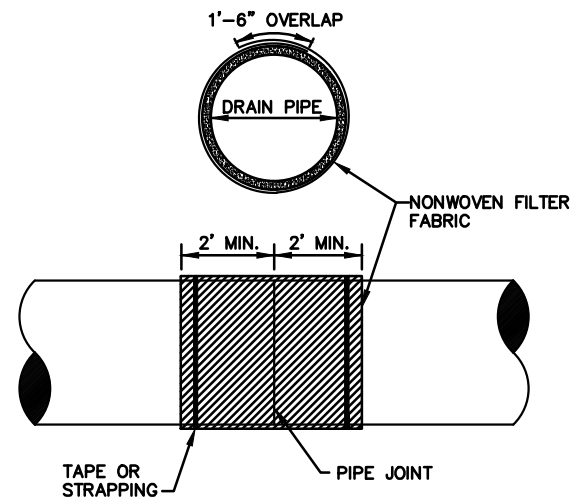
KEYED CONTROL JOINT DETAIL

INSTALL EVERY 10'



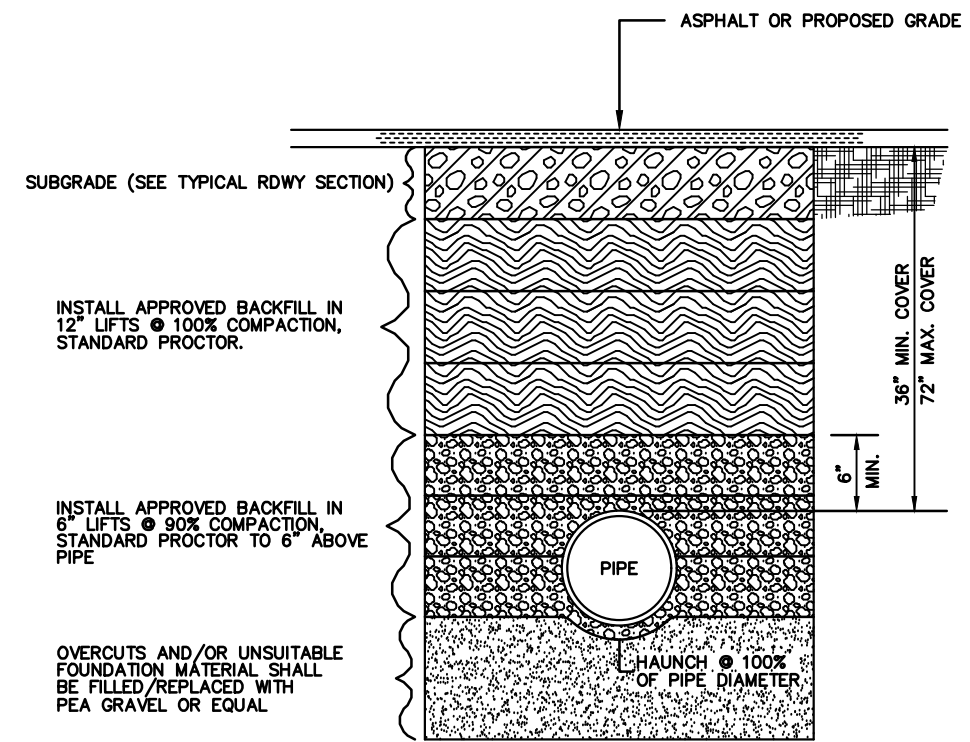
PRECAST CONCRETE PARKING BUMPER

NOT TO SCALE

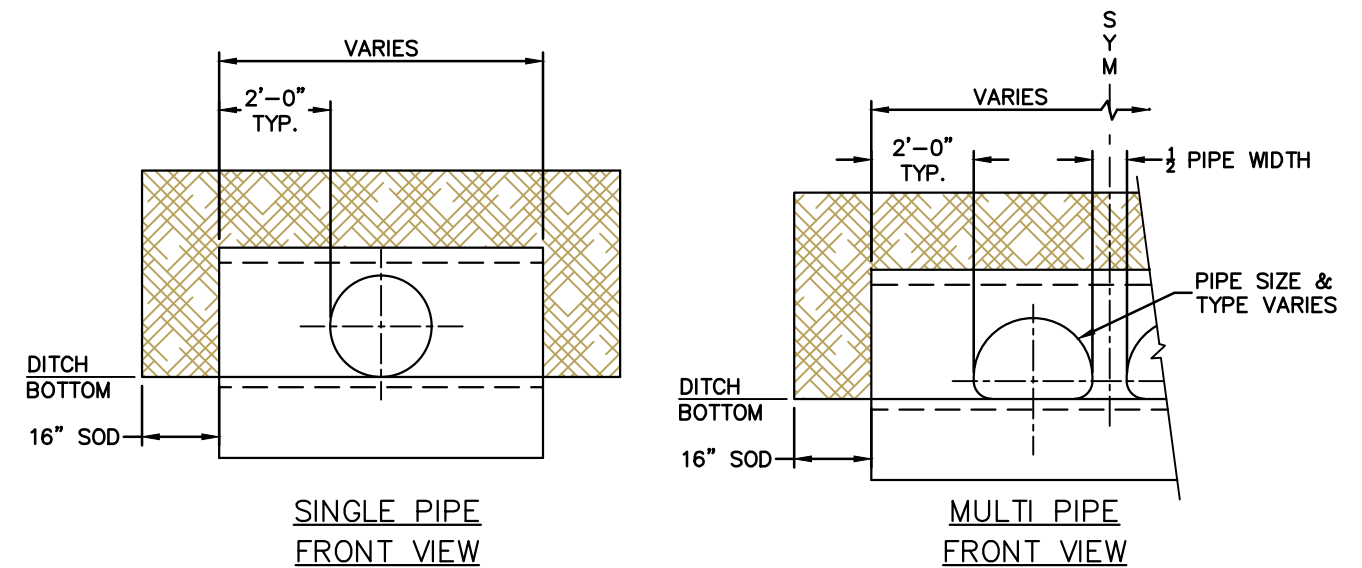
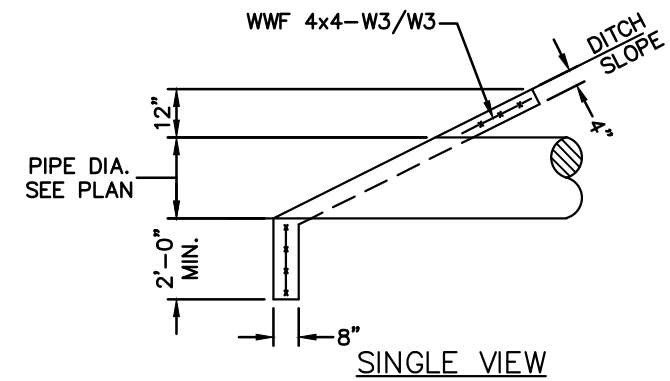


PIPE JOINT WRAP

NOTE:
JOINTS ON ALL STORM DRAIN PIPES SHALL
BE PIPE WRAPPED WITH A NON-WOVEN
FILTER FABRIC AS SHOWN IN THIS DETAIL.



TYPICAL TRENCH DETAIL



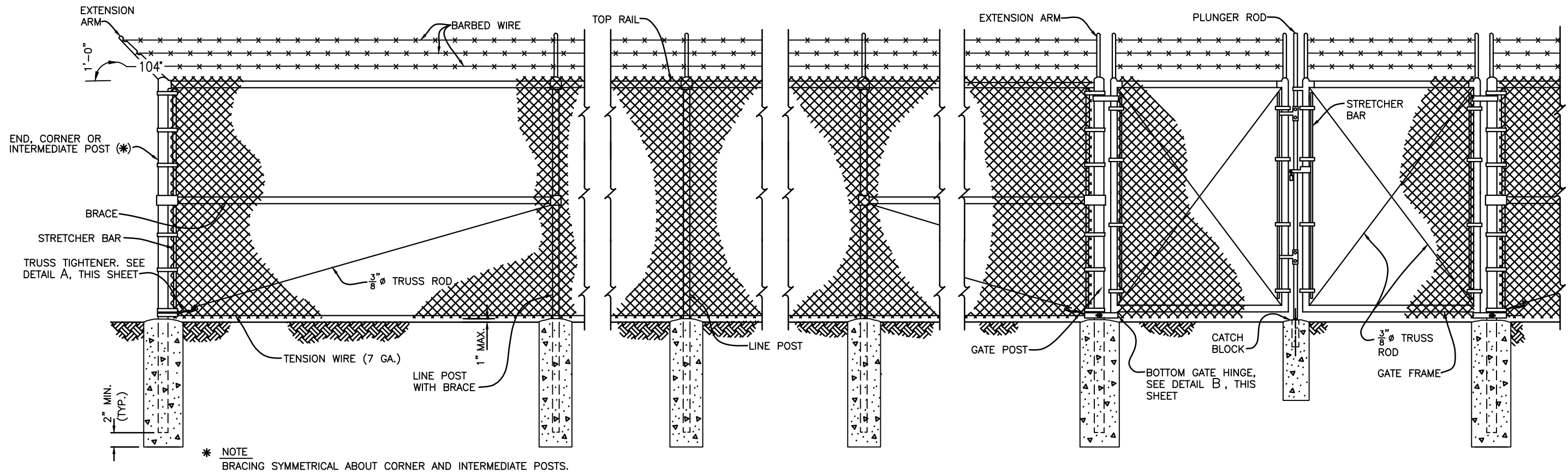
CONCRETE SLOPED HEADWALL DETAIL

PROJECT 11515
MCDUFFIE PARKING LOT EXPANSION
PROJECT DETAILS

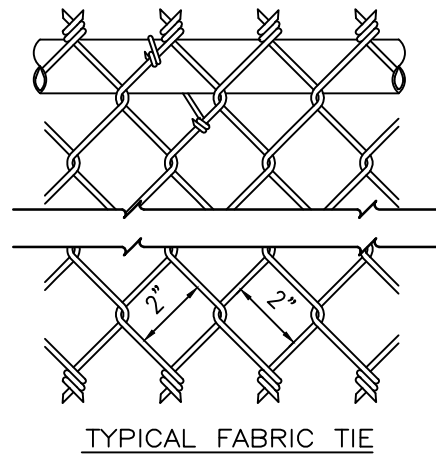
REVISIONS
DESCRIPTION
DATE



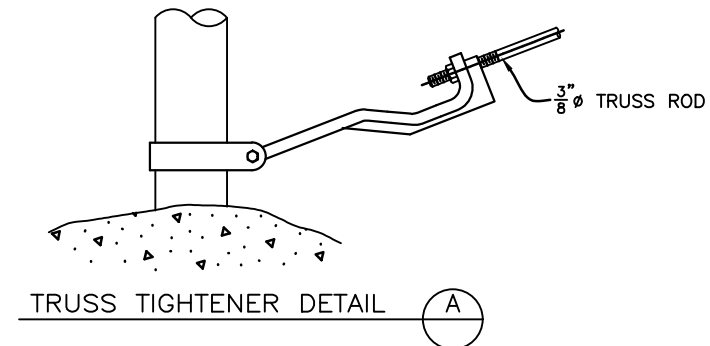
PROJ. NO.:
11515
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1
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DRAWING NO.:
B4



ELEVATION

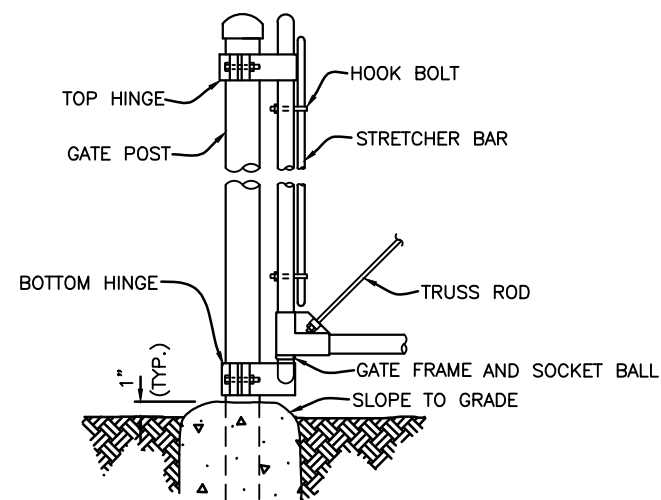


TYPICAL FABRIC TIE



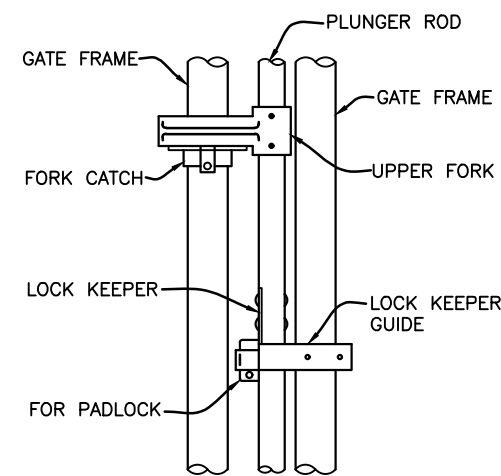
TRUSS TIGHTENER DETAIL

A



GATE HINGE DETAIL

B



TYPICAL GATE LOCKING DEVICE

NOTES

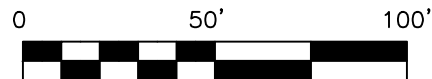
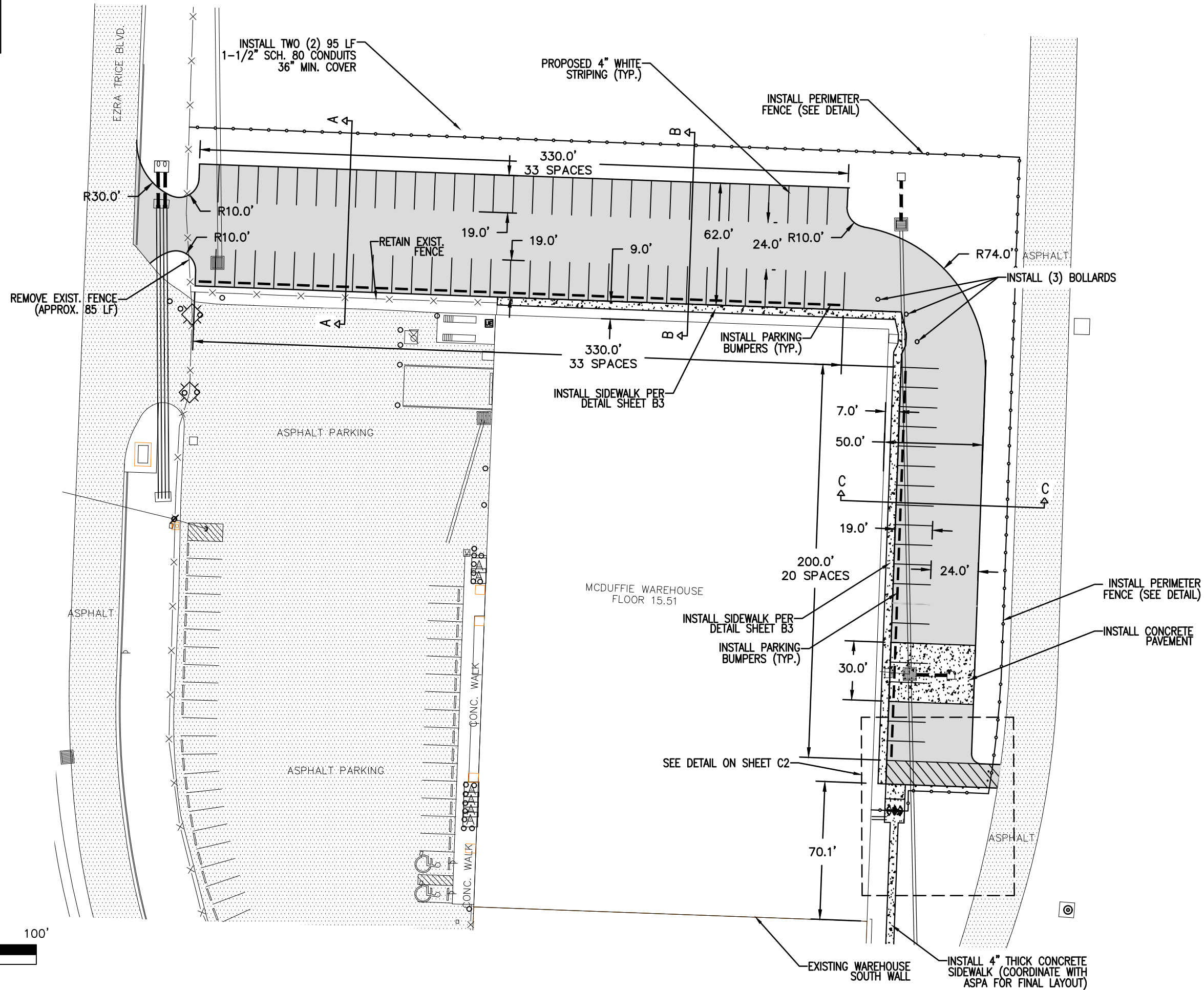
1. FASTEN THE BOTTOM TENSION WIRE WITHIN THE BOTTOM 6" OF FABRIC.
2. ALL TENSION WIRE SHALL MATCH FENCE FABRIC.
3. TENSION WIRE SHALL BE SECURELY FASTENED TO THE CORNER POSTS, AND SHALL BE TAUT AND FREE OF SAG.
4. PLACE NEW END (CORNER) POSTS ADJACENT TO EXISTING FENCE. WIRE POST TO EXISTING FENCE.

TABLE I		
GATE LEAF WIDTHS	GATE POST FOOTING SIZE	GATE FRAME SIZE
TO 6'-0" WIDE	1'-0" DIA. x 3'-0" DEEP	1.900" O.D., 2.28 LBS/FT

TABLE II		
FABRIC HEIGHT	END, CORNER OR INTERMEDIATE POST FOOTING SIZE	LINE POSTS FOOTING SIZE
8'-0"	1'-0" DIA. x 3'-6" DEEP	10" DIA. x 3'-6" DEEP

LEGEND

EXISTING ASPHALT	
PROPOSED ASPHALT	
PROPOSED CONCRETE	



PROJECT 11515
MCDUFFIE PARKING LOT EXPANSION
SITE PLAN

REVISIONS	
DATE	DESCRIPTION



PROJ. NO.:
11515

TASK NO.:
1

SCALE:
1" = 50'

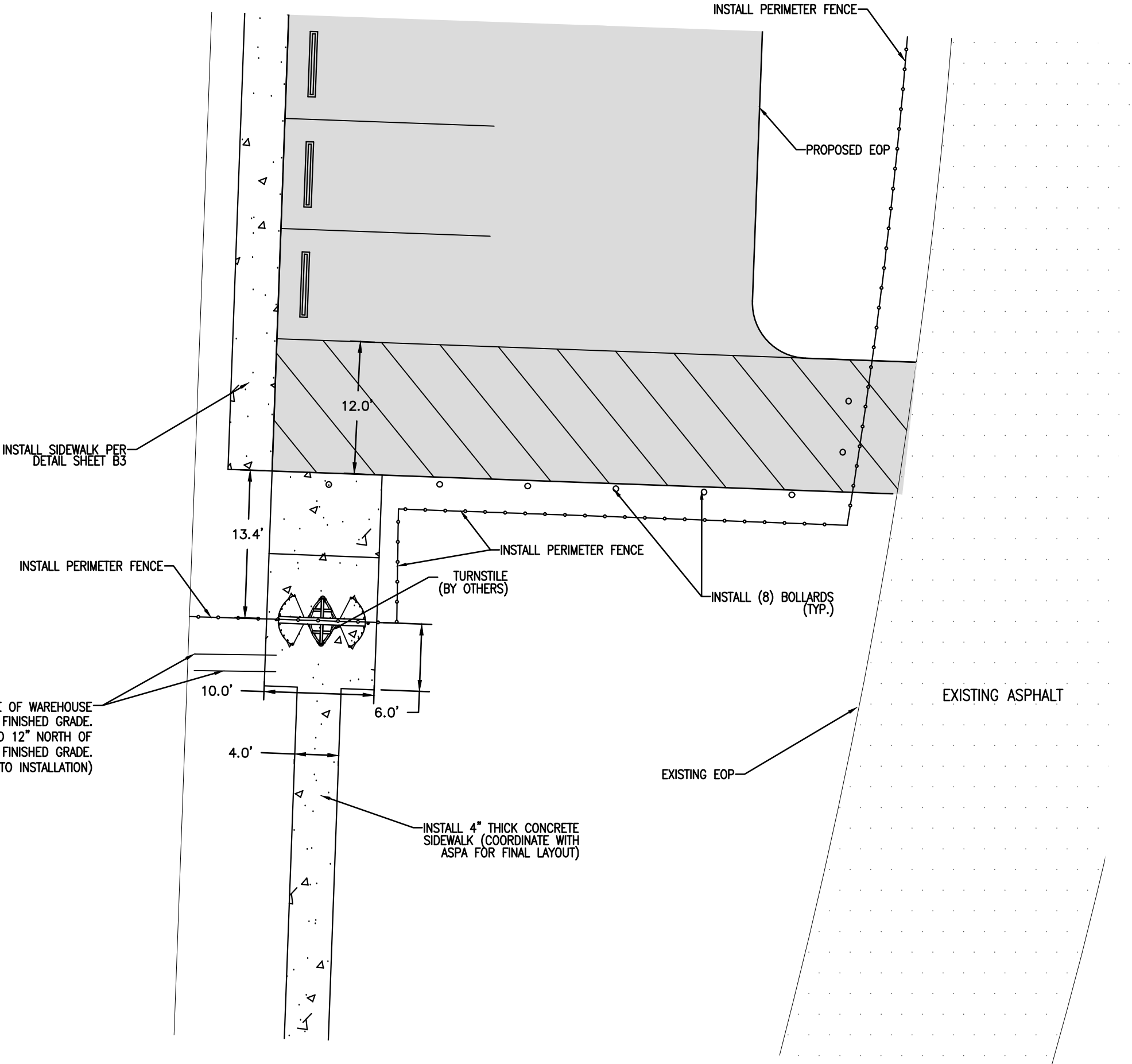
DRAWING NO.
C1

LEGEND

EXISTING ASPHALT

PROPOSED ASPHALT

PROPOSED CONCRETE



PROJECT 11515

MCDUFFIE PARKING LOT EXPANSION

TURNSTILE & FENCING DETAIL

REVISIONS	
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PROJ. NO.:	11515
TASK NO.:	1
SCALE:	1" = 10'
DRAWING NO.:	C2

<u>LEGEND</u>	
EXISTING ASPHALT	
PROPOSED ASPHALT	
PROPOSED CONCRETE	
PROPOSED CONTOUR	—— 14.0 ——
EXISTING CONTOUR	—— 14.0 ——
SPOT GRADE	◆ 13.28 ◆ M.E. (MATCH EXST. GRADE)
PROPOSED STORM DRAIN	— — —
PROPOSED DRAINAGE FLOW	⇨

A INSTALL NEW INLET & CONCRETE BOX
USE RELOCATED EJ V5636 GRATE FROM STRUCTURE "B"
TOP ELEV. = 11.08'
INV. ELEV. = 8.08'

B EXISTING EJ V5636 INLET
RELOCATE GRATE TO STRUCTURE "A"
MODIFY BOX & INSTALL EJ V1476-1Z MANHOLE FRAME & COVER
EXST. TOP ELEV. = 10.93'
PROPOSED TOP ELEV. = 12.70'
EXST. INV. ELEV. = 7.82' (RETAIN)

C INSTALL EJ V5624 INLET & CONCRETE BOX
PROPOSED TOP ELEV. = 13.25'
PROPOSED INV. ELEV. = 9.25'

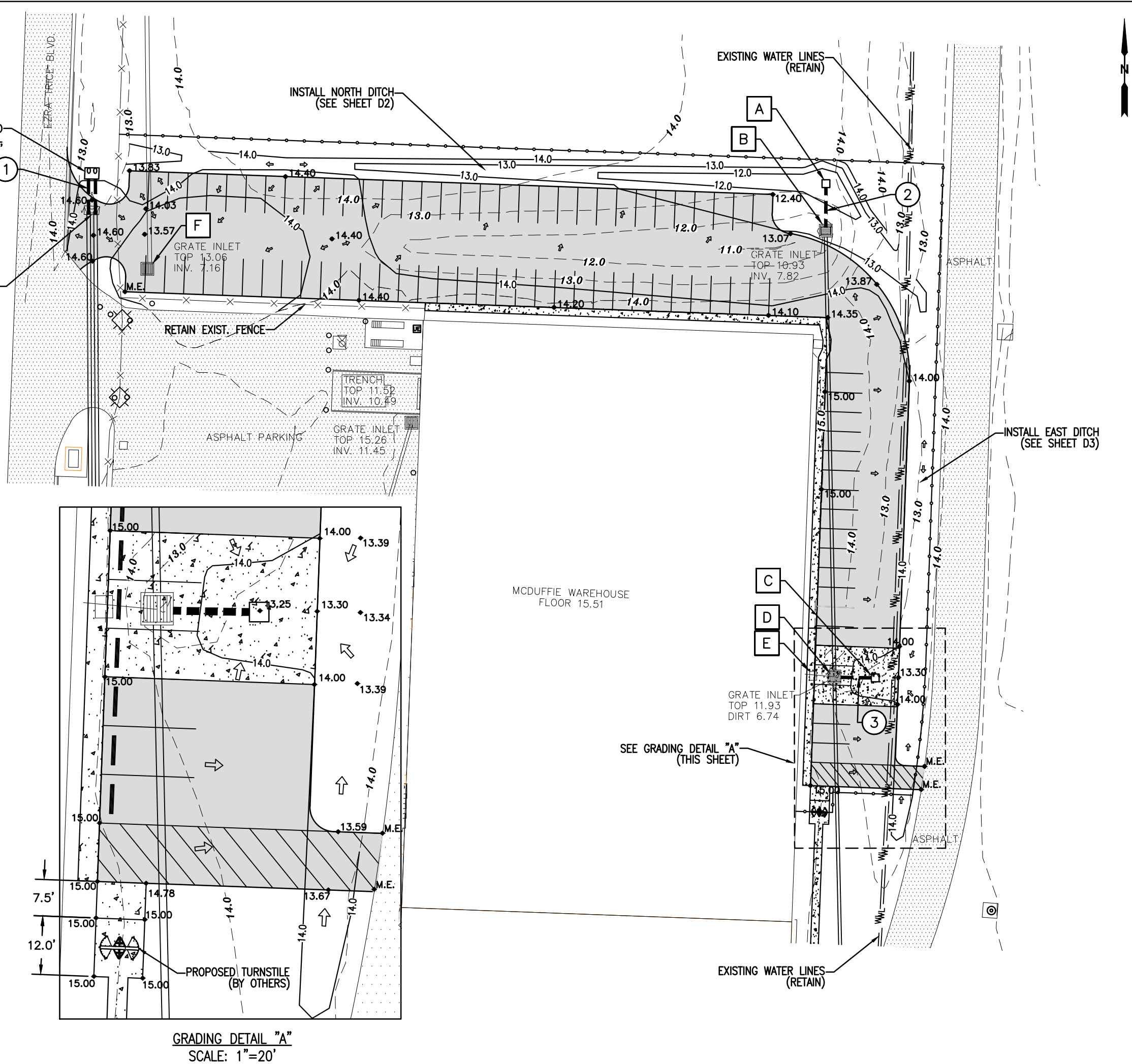
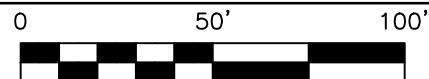
D DEMO EXISTING INLET GRATE
MODIFY BOX & INSTALL EJ V1476-1Z MANHOLE FRAME & COVER
EXST. TOP ELEV. = 11.93'
PROPOSED TOP ELEV. = 14.40'
EXST. INV. ELEV. = 6.74' (RETAIN)

E EXISTING STORM MH (RETAIN)
EXISTING TOP ELEV. = 15.00'
EXISTING INV. ELEV. = 9.75'

F EXISTING INLET (RETAIN)
EXISTING TOP ELEV. = 13.06'
EXISTING INV. ELEV. = 7.16'

DRAINAGE PIPES

- ① INSTALL 24 LF (2) 18"X11" CL. III RCP
4:1 SLOPE PAVED HEADWALL
NORTH INV. ELEV. = 12.65'
SOUTH INV. ELEV. ≈ 12.6' (TIE TO EXST. W/ CONC. COLLAR)
- ② INSTALL 22 LF 18" CL. III RCP
NORTH INV. ELEV. = 8.08'
SOUTH INV. ELEV. = 7.92' (TIE TO EXST. INLET)
- ③ INSTALL 16 LF 18" CL. III RCP
NORTH INV. ELEV. = 9.25'
SOUTH INV. ELEV. = 8.45' (TO TO EXST. INLET)

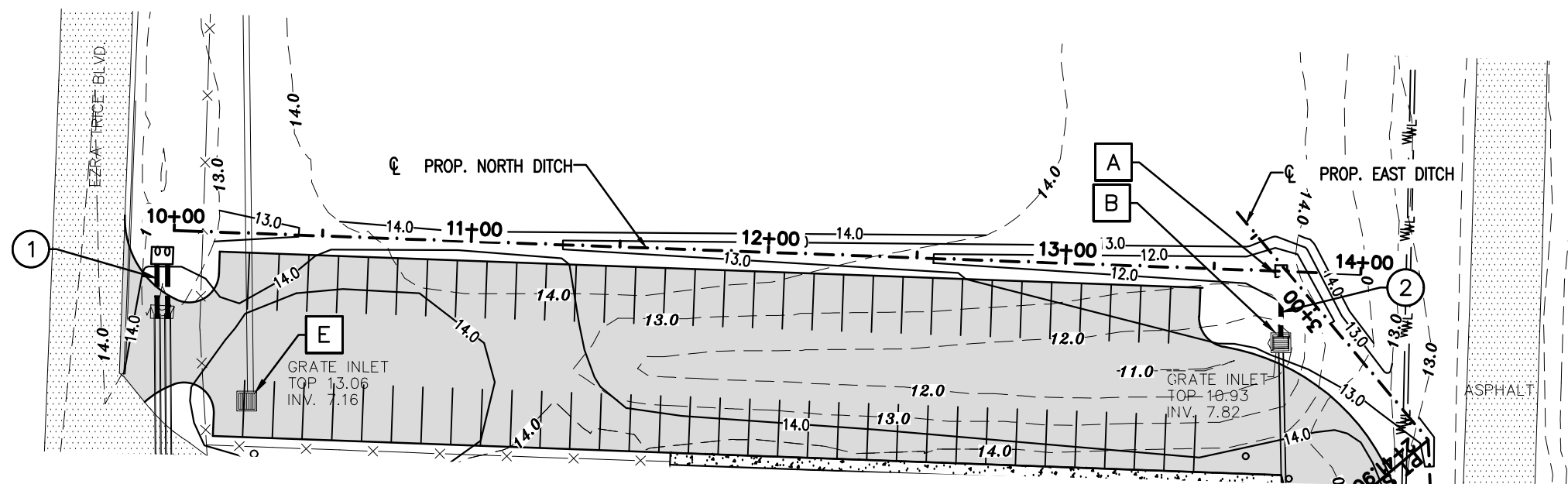


PROJECT 11515
MCDUFFIE PARKING LOT EXPANSION
GRADING & DRAINAGE PLAN

REVISIONS	
DATE	DESCRIPTION



PROJ. NO.: 11515
TASK NO.: 1
SCALE: 1" = 50'
DRAWING NO. D1

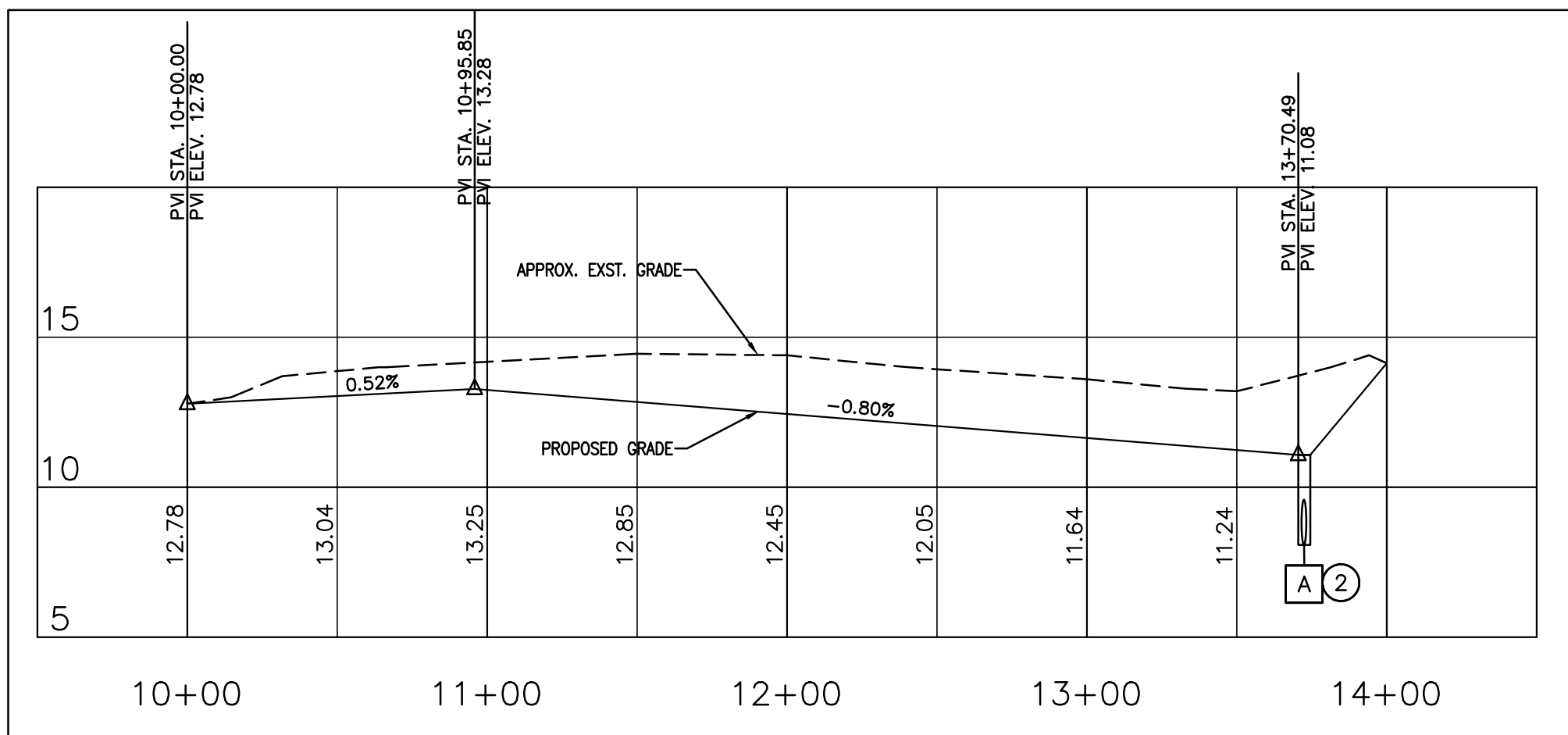


DRAINAGE STRUCTURES

- A** INSTALL NEW INLET & CONCRETE BOX
USE RELOCATED EJ V5636 GRATE FROM STRUCTURE "B"
TOP ELEV. = 11.08'
INV. ELEV. = 8.08'
- B** EXISTING EJ V5636 INLET
RELOCATE GRATE TO STRUCTURE "A"
MODIFY BOX & INSTALL EJ V1476-1Z MANHOLE FRAME & COVER
EXST. TOP ELEV. = 10.93'
PROPOSED TOP ELEV. = 12.70'
EXST. INV. ELEV. = 7.82' (RETAIN)

DRAINAGE PIPES

- 2** INSTALL 22 LF 18" CL. III RCP
NORTH INV. ELEV. = 8.08'
SOUTH INV. ELEV. = 7.92' (TIE TO EXST. INLET)

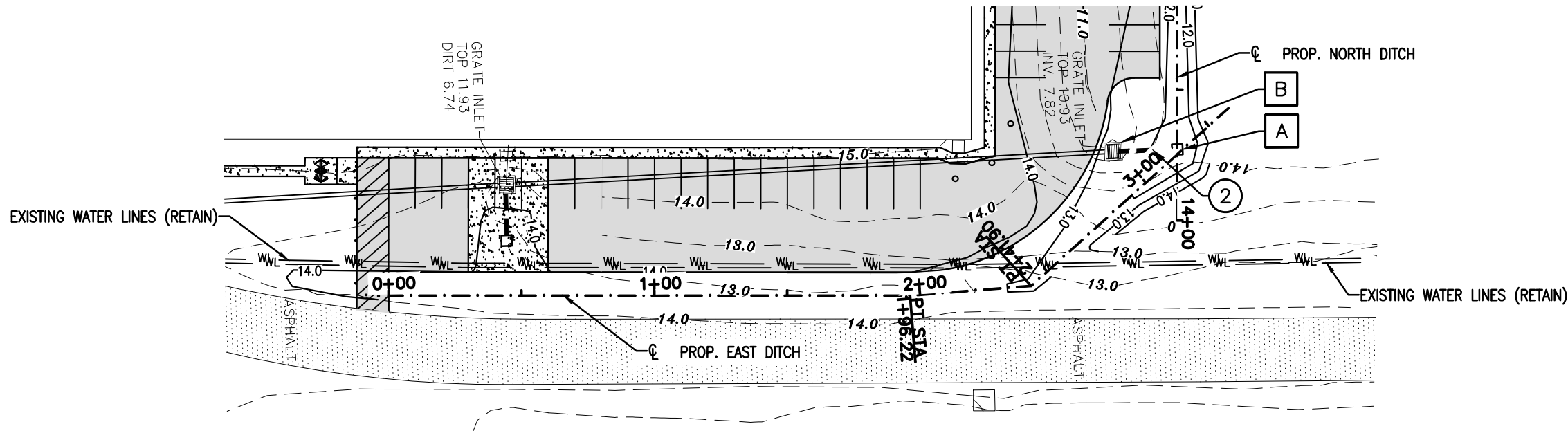
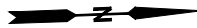


V:1"=5'
H:1"=50'



REVISED	DESCRIPTION
DATE	



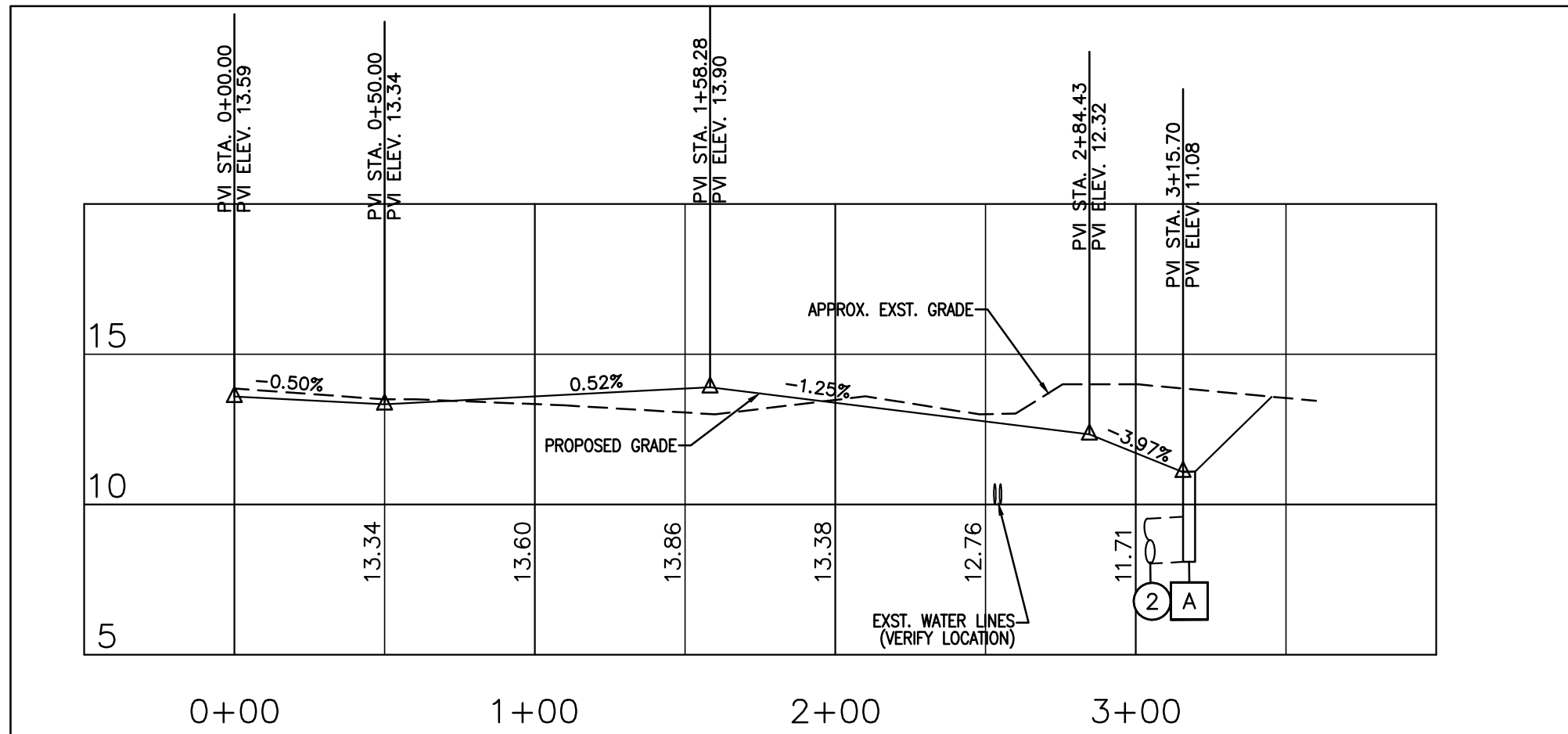


DRAINAGE STRUCTURES

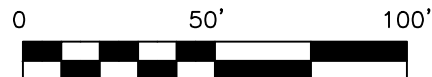
- A** INSTALL NEW INLET & CONCRETE BOX
USE RELOCATED EJ V5636 GRATE FROM STRUCTURE "B"
TOP ELEV. = 11.08'
INV. ELEV. = 8.08'
- B** EXISTING EJ V5636 INLET
RELOCATE GRATE TO STRUCTURE "A"
MODIFY BOX & INSTALL EJ V1476-1Z MANHOLE FRAME & COVER
EXST. TOP ELEV. = 10.93'
PROPOSED TOP ELEV. = 12.70'
EXST. INV. ELEV. = 7.82' (RETAIN)

DRAINAGE PIPES

- 2** INSTALL 22 LF 18" CL. III RCP
NORTH INV. ELEV. = 8.08'
SOUTH INV. ELEV. = 7.92' (TIE TO EXST. INLET)

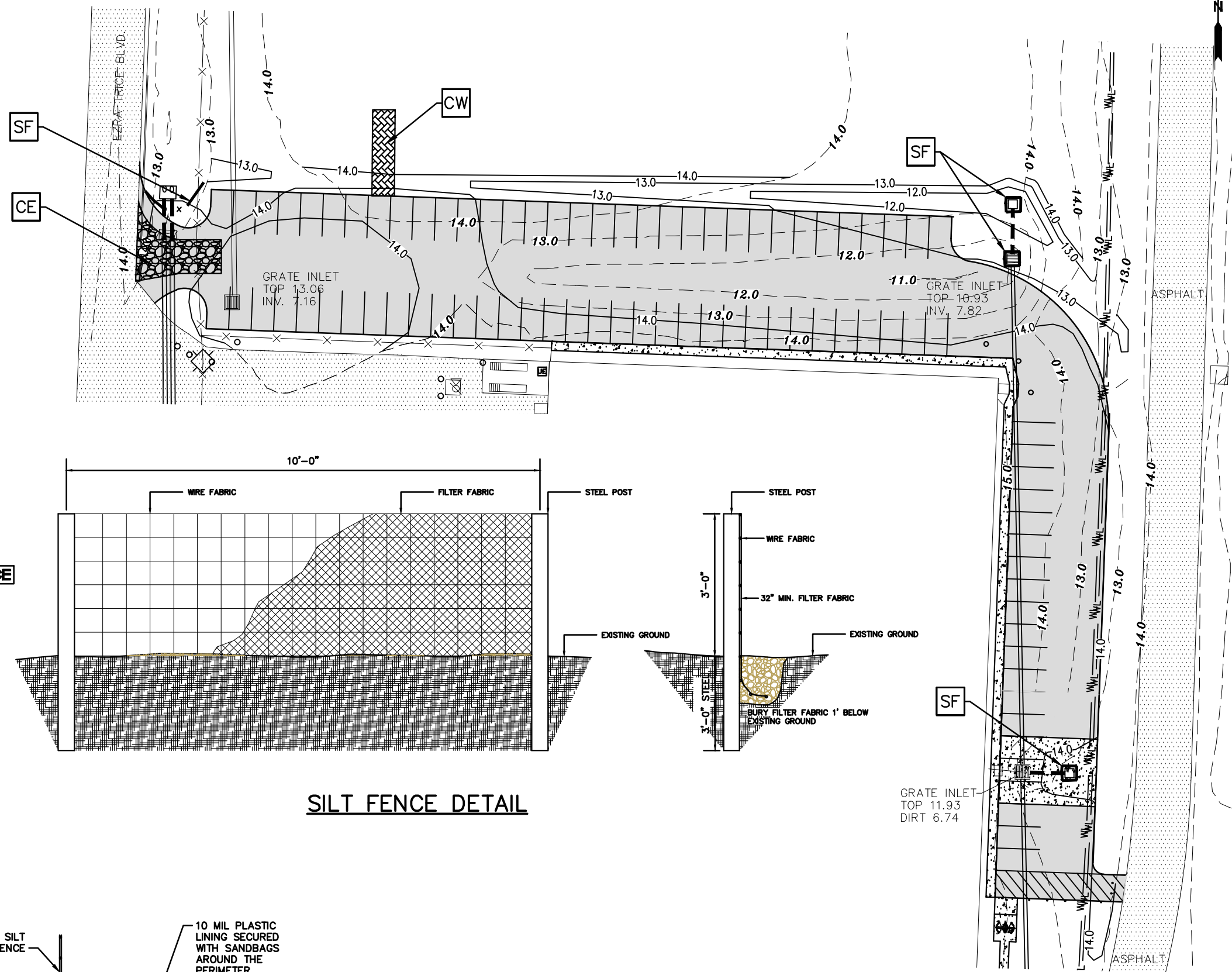
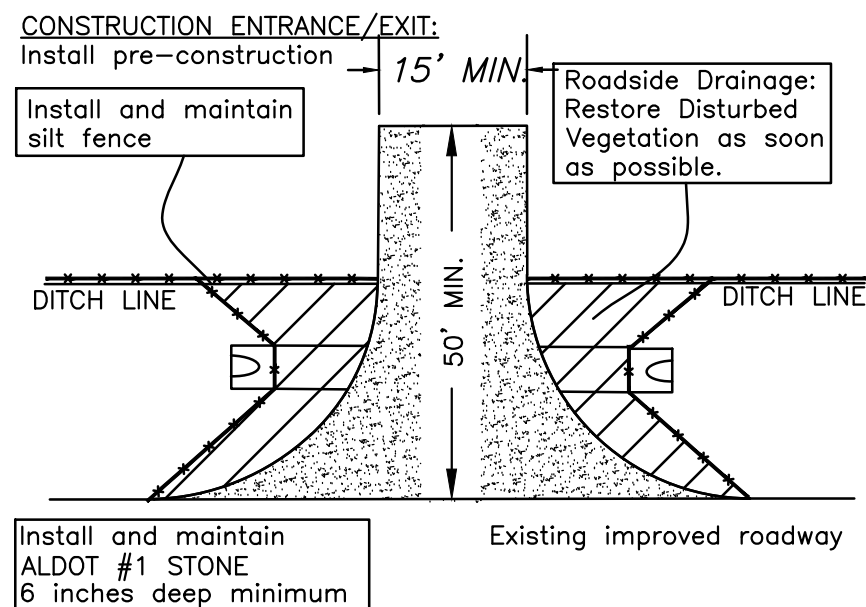


V:1"=5'
H:1"=50'

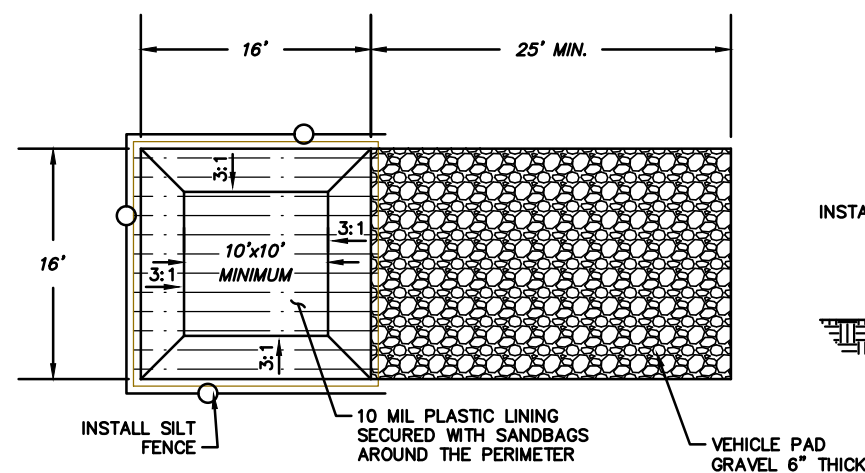


REVISIONS	
DATE	DESCRIPTION





SF



INSTALL SILT FENCE

10 MIL PLASTIC LINING SECURED WITH SANDBAGS AROUND THE PERIMETER

1'

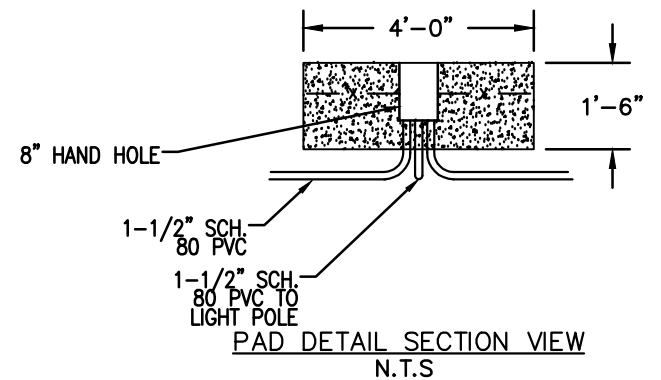
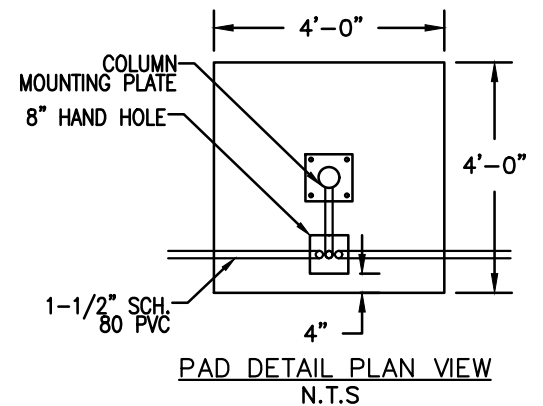
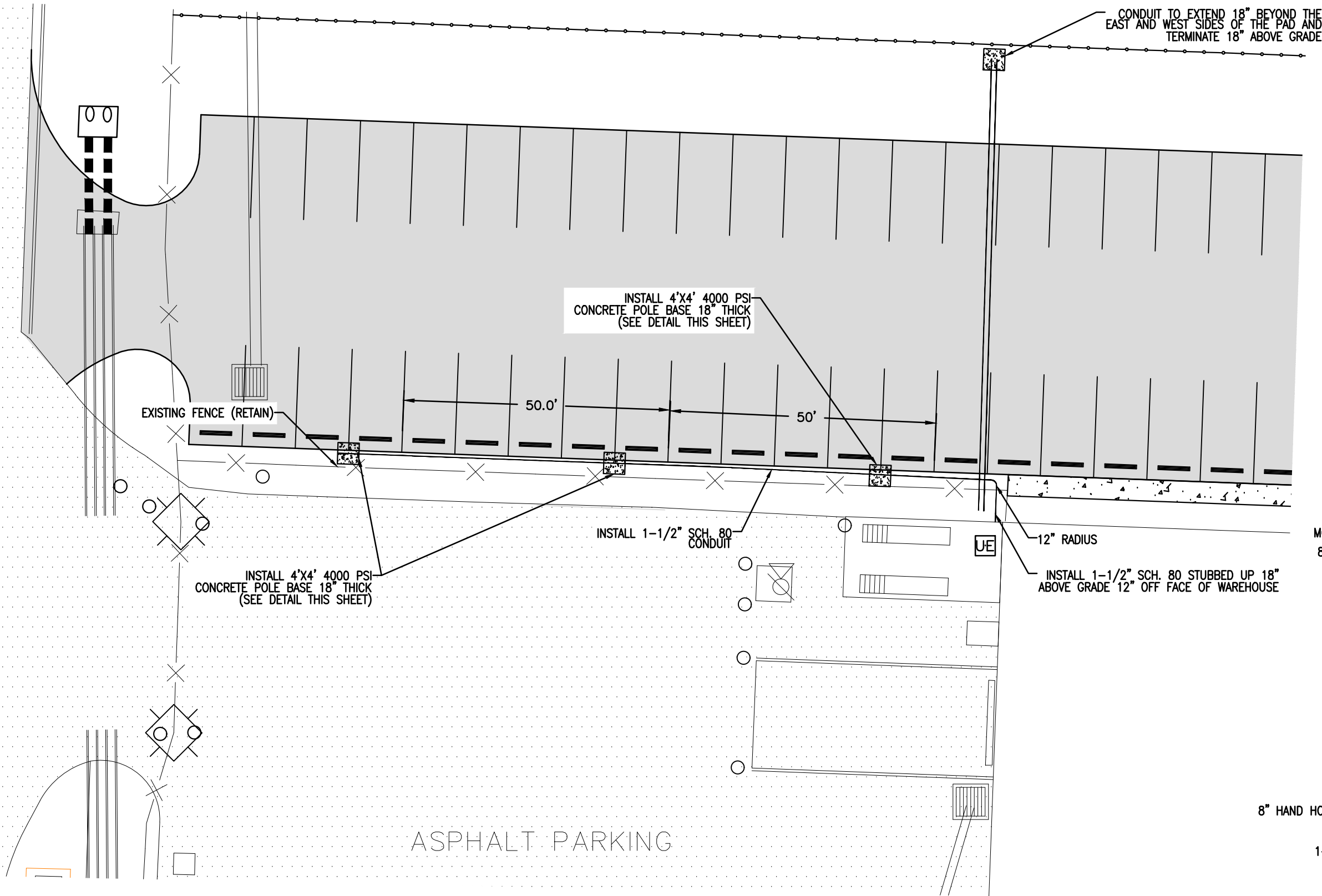
10'

2%

6'

VEHICLE PAD GRAVEL

SECTION VIEW



PAD DETAIL NOTES

1. CONCRETE SHALL BE 3000 PSI MIX.
2. ALL CONDUITS SHALL BE SCHEDULE 80 PVC INCLUDED WITH PULL STRINGS THAT TERMINATE AT THE ENDS OF THE CONDUITS.
3. HAND HOLES TO BE UL LISTED 8\"(W)X8\"(L)X12\"(D) WITH GASKETED COVER AND ANSI TIER 5 RATED OR GREATER.
4. ALL UNDERGROUND CONDUIT ENTERING HAND HOLE SHALL BE SEALED TO PREVENT MOISTURE FROM ENTERING HAND HOLE ENCLOSURE.
5. ALL LIGHT POLE PADS SHALL HAVE FOUR(4) J-BOLTS INSTALLED USING "LED LIGHTING SUPPLY" KIT NUMBER MLLG-WL-POLE-SQ-4_KIT BZ OR EQUAL.
6. ALL ABOVE GROUND CONDUITS SHALL BE 18\" ABOVE FINISHED GRADE.



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