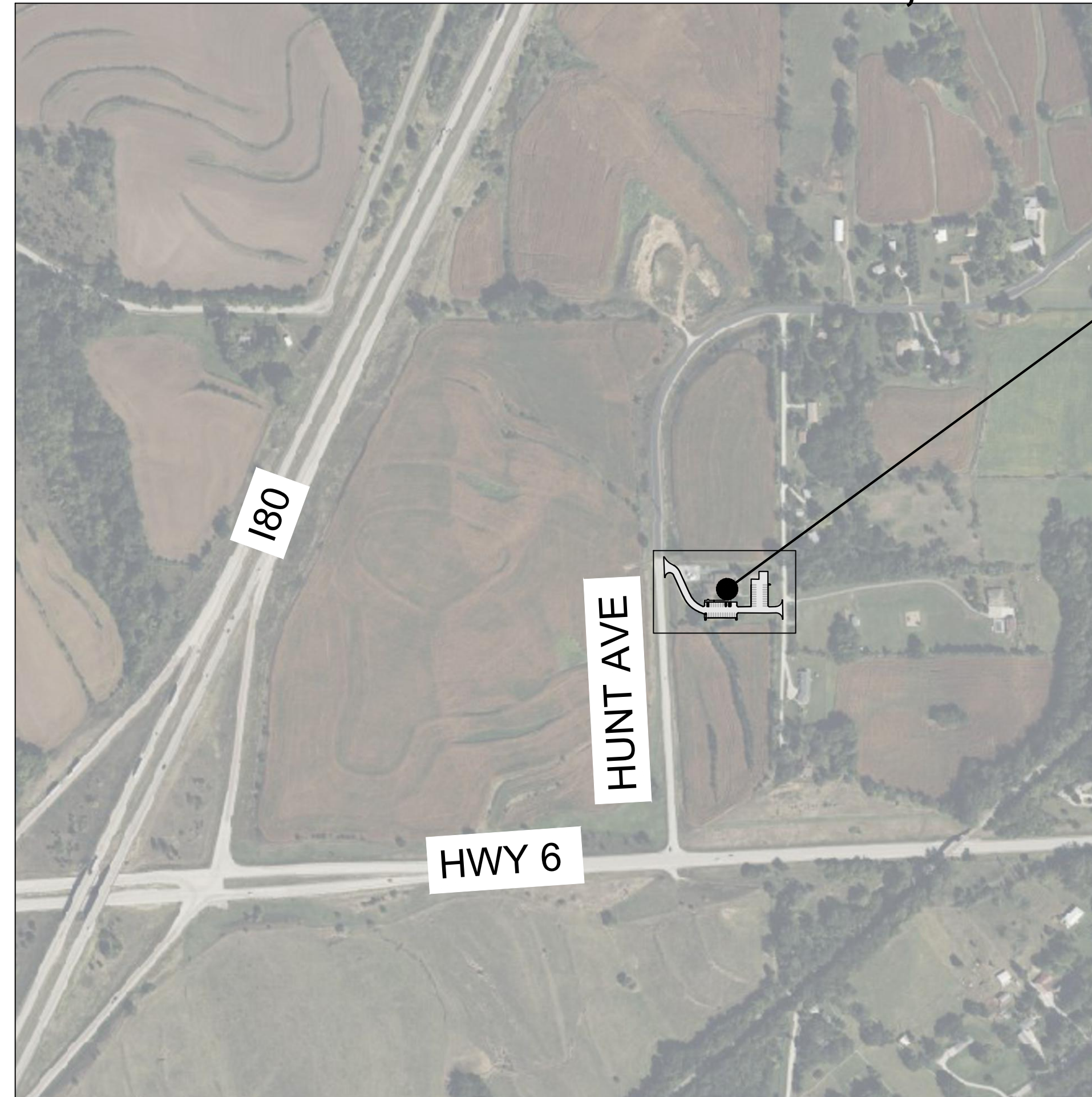


CONSTRUCTION PLANS FOR IOWA STATE PATROL-POST 3 PARKING LOT REPLACEMENT

POTTAWATTAMIE COUNTY, IOWA



PROJECT LOCATION

Sheet List Table

- CD01 TITLE
- CD02 PROJECT INFO & QUANTITIES
- CD03 DEMOLITION PLAN
- CD04 LAYOUT PLAN
- CD05 GRADING PLAN
- CD06 SWPPP
- CD07 DETAILS

Project Information

PROJECT ADDRESS:
2025 HUNT AVE
COUNCIL BLUFFS, IA 51503

DAS PROJECT #: 9371.00

RFB #: 937100-01

VICINITY MAP



MARK	REVISION	DATE	BY
Engineer: SCT	Checked By: EAH	Scale: 1" = 422'	
Technician: SCT	Date: 09-13-2024	T-R-S: 75N-43W-22	

Project No.: 124.0835.10

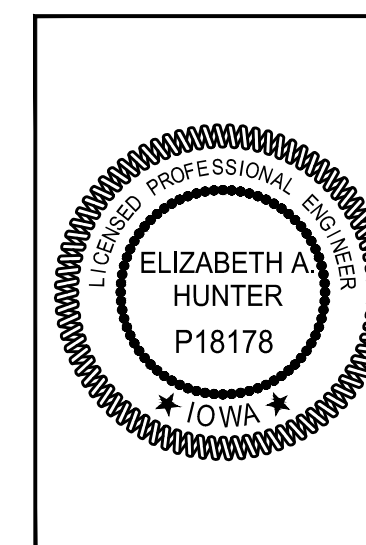
Sheet CD01

IOWA STATE PATROL-POST 3 PARKING LOT REPLACEMENT

POTTAWATTAMIE COUNTY, IOWA

SNYDER & ASSOCIATES, INC.

231 BENNETT AVENUE
COUNCIL BLUFFS, IOWA 51503
712-322-3202 | www.snyder-associates.com



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Elizabeth A. Hunter Date: 09/13/2024
Elizabeth A. Hunter, P.E.

License Number P18178
My License Renewal Date is December 31, 2024.

Pages or sheets covered by this seal:
CD01 THRU CD07



Project No.: 124.0835.10

Sheet CD01

GENERAL NOTES

- NOTIFY OWNER AND ENGINEER AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION.
- LOCATION OF EXISTING UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES SHOWN ARE FROM AVAILABLE SURVEYS AND RECORDS. THESE LOCATIONS SHOULD BE CONSIDERED AS APPROXIMATE ONLY, WITH POSSIBILITY THAT OTHER UTILITIES OR UNDERGROUND FEATURES MAY EXIST. DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS.
- NOTIFY UTILITY COMPANIES PRIOR TO COMMENCING WORK. AVOID DAMAGE TO UTILITIES AND UNDERGROUND FEATURES DURING CONSTRUCTION. REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OPERATIONS AT CONTRACTOR'S EXPENSE.
- COORDINATE CONSTRUCTION OPERATIONS AND COOPERATE WITH UTILITY COMPANIES WITH RESPECT TO RELOCATING ANY CONFLICTING FACILITIES. COSTS FOR LOCATING EXISTING UTILITIES, COORDINATING RELOCATION WORK, PROVIDING TEMPORARY SUPPORTS, AND STAGING CONSTRUCTION TO ACCOMMODATE THE RELOCATION OF UTILITIES IS INCIDENTAL TO CONSTRUCTION.
- PROVIDE EROSION CONTROL MEASURES NECESSARY TO PROTECT AGAINST SILTATION, EROSION AND DUST POLLUTION WITHIN CONSTRUCTION LIMITS AND ANY OFF-SITE AREAS USED FOR THIS PROJECT. COMPLY WITH SOIL EROSION CONTROL REQUIREMENTS OF IOWA CODE AND LOCAL ORDINANCES.
- PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETED.
- COORDINATE THE CONSTRUCTION TO MINIMIZE THE DISRUPTIONS TO THE ADJACENT PROPERTIES. ANY AREAS DISTURBED BY CONSTRUCTION OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE REPAIRED AND RESTORED AT THE CONTRACTOR'S EXPENSE.
- DO NOT RESTRICT DRAINAGE CHANNELS. PROTECT ALL EXISTING DRAINAGE STRUCTURES. CONTRACTOR FULLY LIABLE FOR ALL DAMAGES TO PUBLIC OR PRIVATE PROPERTY CAUSED BY THEIR ACTION OR INACTION IN THE HANDLING OF STORM WATER FLOWS DURING CONSTRUCTION. ANY EXTRA GRADING WORK NEEDED TO MAINTAIN POSITIVE DRAINAGE WITHIN THE CONSTRUCTION LIMITS IS INCIDENTAL TO CONSTRUCTION.
- REPAIR ALL FIELD/DRAIN TILES THAT ARE ENCOUNTERED DURING CONSTRUCTION AS SPECIFIED. RECORD THE EXISTING TYPE, SIZE, LOCATION AND DEPTH OF ALL FIELD/DRAIN TILES ENCOUNTERED AND REPAIRED DURING CONSTRUCTION. PROVIDE DATA TO THE ENGINEER FOR INCORPORATION INTO THE RECORD DRAWINGS.
- PROTECT AND KEEP DEBRIS DEPOSITED BY THE CONSTRUCTION OFF OF ADJACENT PROPERTIES OUTSIDE THE EASEMENT AREA AND STREETS. REMOVE AND REPAIR ANY DAMAGE WITHOUT ADDITIONAL COMPENSATION.
- COMPLETELY REMOVE AND DISPOSE OF TREES, SHRUBS AND VEGETATION DESIGNATED FOR REMOVAL ON THE PLANS. DISPOSE OF IN ACCORDANCE WITH SPECIFICATIONS.
- CONTRACTORS SHALL SATISFY THEMSELVES PRIOR TO SUBMISSION OF BIDS AS TO THE SOIL CONDITIONS.
- PROTECT AND SAVE ALL PROPERTY CORNER MONUMENTS. REPLACE IF REMOVED OR DAMAGED.
- PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH CURRENT STATE OF IOWA APPROVED MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- DO NOT STORE EQUIPMENT AND/OR MATERIALS WITHIN PUBLIC RIGHT OF WAY ON STREETS OPEN TO TRAFFIC. PROVIDE AREAS AS NEEDED FOR STORAGE OF EQUIPMENT AND/OR MATERIALS.
- BLADING, SHAPING OR MAINTENANCE OF TEMPORARY CONNECTIONS, CROSSINGS DETOURS OR TEMPORARY ACCESSES SHALL BE INCIDENTAL TO THE PROJECT.
- REMOVE AND REPLACE, OR REPAIR ALL ROAD SURFACES AND OTHER ITEMS DAMAGED BY CONSTRUCTION ACTIVITIES TO THEIR ORIGINAL CONDITION AND/OR TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- COMPACT ALL TRENCH BACKFILL, UNDER PAVED SURFACES, AND WITHIN RIGHT-OF-WAY ACCORDING TO THE PROJECT GEOTECHNICAL REPORT. SEE GENERAL NOTE 27.
- SURFACE RESTORATION INCLUDES THE REMOVAL OF ALL GRANULAR MATERIAL FROM THE TOP 6 INCHES OF TOPSOIL. THIS WORK IS INCIDENTAL TO CONSTRUCTION.
- OWNER HAS FIRST RIGHT OF REFUSAL TO RETAIN ANY MATERIAL REMOVED FROM THE PROJECT AREA. IF DIRECTED, DELIVER ITEMS OR MATERIALS TO OWNER AT LOCATION DESIGNATED BY THE PUBLIC WORKS DEPARTMENT. DISPOSE OF NON-SALVAGEABLE MATERIALS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
- PROVIDE WASTE AREAS OR DISPOSAL SITES FOR WASTE MATERIAL (ASPHALTIC CONCRETE, STEEL OR BROKEN CONCRETE). NO EXTRA PAYMENTS WILL BE MADE FOR MATERIAL HAULED TO THESE SITES. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS. DO NOT PLACE WASTE MATERIAL WITHIN THE RIGHT-OF-WAY. KEEP CONSTRUCTION DEBRIS AND DIRT OFF OF THE ADJACENT PROPERTIES AND STREETS.
- RECONSTRUCT ANY ROAD DITCHES DISTURBED, INCLUDING DITCH GRADES AND CROSS SECTIONS. REPLACE CULVERTS TO ORIGINAL GRADES UNLESS OTHERWISE NOTED. GRADE ALL DITCHES FOR PROPER DRAINAGE. PONDING OF WATER IS NOT ACCEPTABLE. RE-GRADE ANY DITCH WHICH DOES NOT PROPERLY DRAIN. ALL DITCH GRADING IS INCIDENTAL TO CONSTRUCTION.
- DIMENSIONS, STREET LOCATIONS, UTILITIES, AND GRADING ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. DEVIATIONS MAY BE NECESSARY IN THE FIELD. REPORT ANY SUCH CHANGES OR CONFLICTS BETWEEN THE PLAN AND FIELD CONDITIONS TO PROJECT ENGINEER IMMEDIATELY.
- IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.

- ALL ADA PATHWAYS SHALL HAVE THE FORMS CHECKED BY CONSTRUCTION OBSERVER PRIOR TO POUR, TO ENSURE THEY COMPLY WITH ADAAG REQUIREMENTS.
- THE 2024 STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) STANDARDS APPLY FOR THIS PROJECT.
- THE GEOTECHNICAL REPORT FOR THIS PROJECT WAS COMPLETED BY THIELE GEOTECH, INC. DATED AUGUST 16, 2024.
- ENSURE THE FOLLOWING FOR ALL PAINTED AND TAPED PAVEMENT MARKINGS:
 - ENSURE SUDAS IS FOLLOWED FOR REQUIRED SURFACE PREPARATION.
 - UNIFORM THICKNESS.
 - LINE WIDTHS AS SPECIFIED, WITH A TOLERANCE OF $\pm \frac{1}{4}$ INCH FOR 4-INCH LINES AND $\pm \frac{1}{2}$ INCH FOR WIDER LINES.
 - SYMBOLS AND LEGENDS ARE VISUALLY PROPORTIONAL TO CONTRACT DOCUMENTS WITH AN OUT-TO-OUT TOLERANCE OF ± 6 INCHES.
 - MARKINGS SHALL HAVE SHARP EDGES AND CUTOFFS AT THE ENDS.
 - LINES PLACED SHALL NOT VARY MORE THAN $\frac{1}{2}$ " TOTAL FROM STRINGLINE REFERENCE.
 - LINES PLACED SHALL NOT VARY MORE THAN $\frac{1}{4}$ " FROM STRINGLINE REFERENCE OVER A DISTANCE OF 12 INCHES.
 - PARKING STALL PAVEMENT MARKINGS SHALL START AND END WITHIN $\frac{1}{2}$ " FROM LAYOUT REFERENCE.
- ADD ALTERNATE 1 CONSTRUCTION NOTES:
 - APPLY PAVIX ON CURED CONCRETE (14-DAY MINIMUM CURE TIME).
 - PRIOR TO APPLYING PAVIX, REPAIR AND SEAL JOINTS, CRACKS, AND VOIDS GREATER THAN 1/16TH INCH.
 - POWER WASH ALL SURFACES TO RECEIVE PAVIX.
 - USE COMPRESSED AIR TO REMOVE SURFACE PARTICLES, DUST, AND WATER JUST PRIOR TO PAVIX APPLICATION.
 - APPLY PAVIX IN ONE COAT WITH A TARGET COVERAGE RATE OF 150 SF/GAL.
 - COVERAGE RATE SHALL NOT EXCEED 200 SF/GAL.
 - DO NOT APPLY PAVIX IF CONCRETE SURFACE TEMPERATURE IS BELOW 40°F (5°C).
- CONTRACTOR TO SCARIFY THE EXISTING SUBGRADE TO A MINIMUM DEPTH OF 12". THEN RECOMPACT ACCORDING TO GEOTECHNICAL REPORT.

UTILITY QUALITY SERVICE LEVELS

QUALITY LEVELS OF UTILITIES ARE SHOWN IN THE PARENTHESES WITH THE UTILITY TYPE AND WHEN APPLICABLE, SIZE. THE QUALITY LEVELS ARE BASED ON THE CI / ASCE 38-02 STANDARD.

QUALITY LEVEL (D) INFORMATION IS DERIVED FROM EXISTING UTILITY RECORDS OR ORAL RECOLLECTIONS.

QUALITY LEVEL (C) INFORMATION IS OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION WITH QUALITY D INFORMATION.

QUALITY LEVEL (B) INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.

QUALITY LEVEL (A) IS HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES OBTAINED BY ACTUAL EXPOSURE OR VERIFICATION OF PREVIOUSLY EXPOSED SUBSURFACE UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.

UTILITY CONTACT INFORMATION

UTILITY CONTACT FOR MAPPING INFORMATION SHOWN AS RECEIVED FROM THE IOWA ONE CALL DESIGN REQUEST SYSTEM, TICKET NUMBER 552403993.

COUNCIL BLUFFS WATER WORKS	712-328-1006
COUNCIL BLUFFS SEWER	712-328-4641
COX COMMUNICATIONS	405-213-5142
CENTURYLINK	918-547-0147
IOWA COMMUNICATIONS NETWORK	515-725-4604
MIDAMERICAN ENERGY	712-366-5669

CONTROL POINTS

IOWA REGIONAL COORDINATE SYSTEM ZONE 6
NAD83(2011)(EPOCH 2010.00) IARTN DERIVED - US SURVEY FEET

- CP1 N=6976630.33 E=16488119.98 Z=1169.52
SET 1/2" REBAR WITH RED "SNYDER CONTROL" CAP (AS SHOWN ON SURVEY)
- CP2 N=6976543.51 E=16488545.12 Z=1184.75
SET 1/2" REBAR WITH RED "SNYDER CONTROL" CAP (AS SHOWN ON SURVEY)
- CP3 N=6976364.73 E=16488540.59 Z=1185.94
SET 1/2" REBAR WITH RED "SNYDER CONTROL" CAP (AS SHOWN ON SURVEY)
- CP4 N=6976377.38 E=16488176.91 Z=1175.33
SET 1/2" REBAR WITH RED "SNYDER CONTROL" CAP (AS SHOWN ON SURVEY)

BENCHMARKS

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 - GEOID12A)
IARTN DERIVED - US SURVEY FEET

- BM1 ELEV=1184.74
FINISH FLOOR ELEVATION AT CENTER OF GARAGE DOOR

DATE OF SURVEY

JULY 11, 2024

SUMMARY OF QUANTITIES

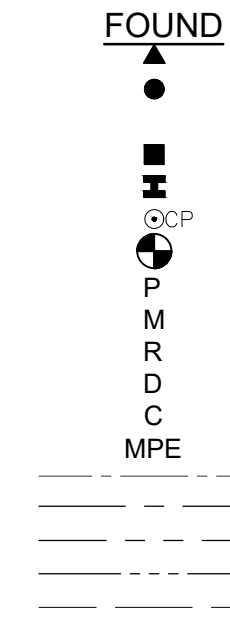
ITEM #	DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION	1	LS
2	STABILIZED CONSTRUCTION ENTRANCE	2	EA
3	SAWCUT EXISTING PAVEMENT	200	LF
4	SIDEWALK REMOVAL	78	SY
5	PAVEMENT REMOVAL	2,975	SY
6	LANDSCAPING REMOVAL	1	LS
7	FENCE REMOVAL AND REPLACEMENT	1	LS
8	SILT FENCE	610	LF
9	INLET PROTECTION	1	EA
10	STRAW EROSION CONTROL WATTLES	450	LF
11	SUBGRADE PREPARATION, 12"	3,550	SY
12	SELECT BACK FILL FOR UNSUITABLE MATERIALS	10	CY
13	PARKING LOT PAVEMENT 6" PCC	3,015	SY
14	PCC CURB, 6"	875	LF
15	SIDEWALK 5" PCC	78	SY
16	TRENCH DRAIN INSTALLATION	1	EA
17	SCOUR STOP, 4'X4' MAT	6	EA
18	LANDSCAPING REPLACEMENT	1	LS
19	PAVEMENT MARKINGS	825	LF
20	GRANULAR BACKFILL	5	TON
21	SEEDING AND MATTING, 5' PERIMETER	0.22	AC
22	ADA PARKING SIGNAGE & PAVEMENT MARKINGS	1	LS
ADD ALTERNATE 1 (REFER TO GENERAL NOTE #29, ON SHEET CD02)			
1	PAVIX APPLIED TO ALL NEW CONCRETE	3,093	SY

LEGEND

FEATURES

- Section Corner
- 1/2" Rebar, Cap # 23198 (Unless Otherwise Noted)
- ROW Marker
- ROW Rail
- Control Point
- Bench Mark
- Platted Distance
- Measured Bearing & Distance
- Recorded As
- Dead Distance
- Calculated Distance
- Minimum Protection Elevation
- Centerline
- Section Line
- 1/4 Section Line
- 1/4 1/4 Section Line
- Easement Line

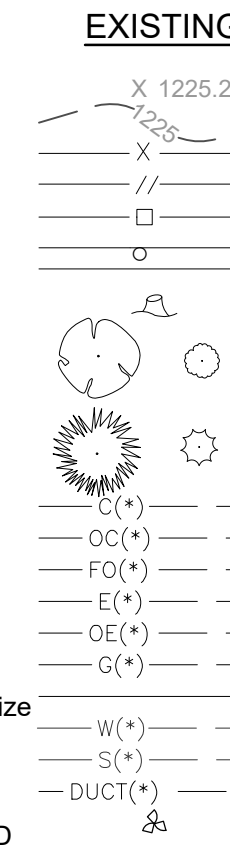
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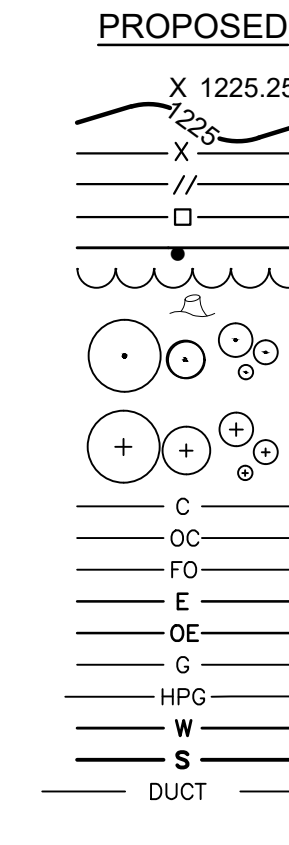
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EXISTING



PROPOSED

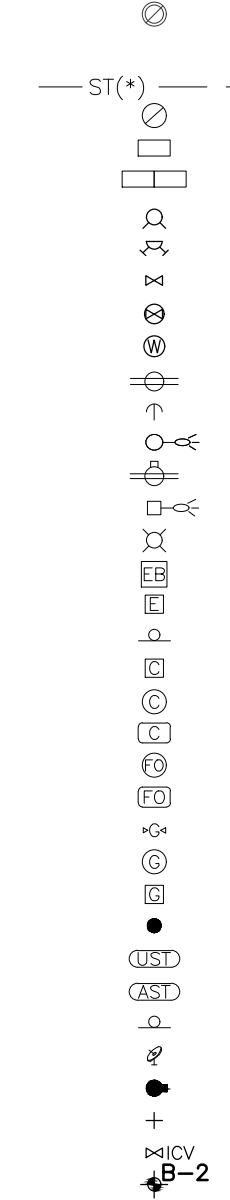


FEATURES

- Spot Elevation
- Contour Elevation
- Fence (Barbed, Field, Hog)
- Fence (Chain Link)
- Fence (Wood)
- Fence (Silt)
- Tree Line
- Tree Stump
- Deciduous Tree \\ Shrub
- Coniferous Tree \\ Shrub
- Communication
- Overhead Communication
- Fiber Optic
- Underground Electric
- Overhead Electric
- Gas Main with Size
- High Pressure Gas Main with Size
- Water Main with Size
- Sanitary Sewer with Size
- Duct Bank
- Test Hole Location for SUE w/ID

(*) Denotes the survey quality service level for utilities

Sanitary Manhole



Elevation

EL: 1225.25

Section Number

Drawing Number

Removal Items

Bio Retention Systems



MARK	REVISION	DATE	BY
Engineer: SCT	Checked By: EAH	Scale: 1" = 20'	
Technician: SCT	Date: 09-13-2024	T-R-S: 75N-43W-22	
Project No: 124.0835.10			Sheet CD02

IOWA STATE PATROL-POST 3 PARKING LOT REPLACEMENT

POTTAWATTAMIE COUNTY, IOWA

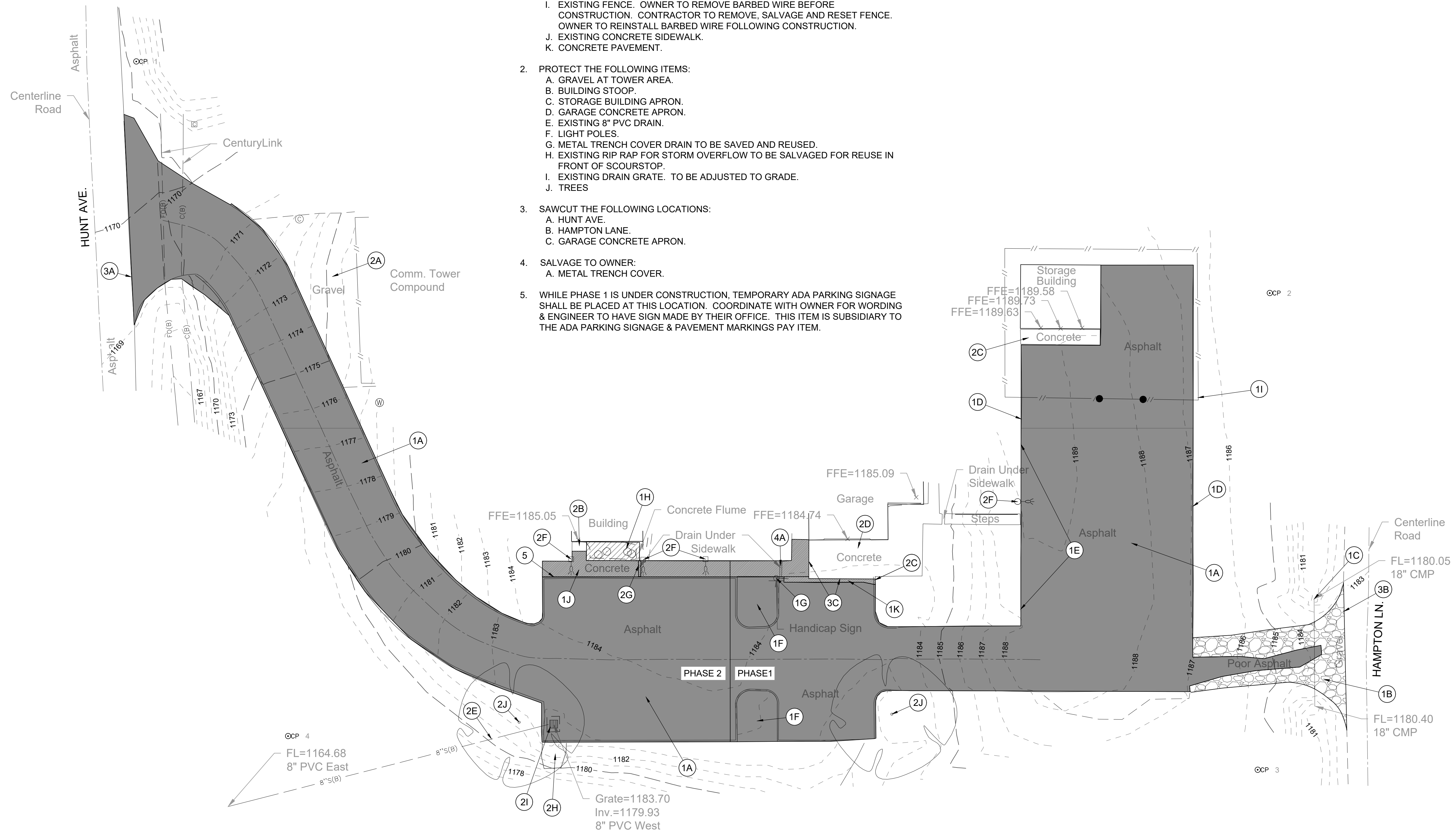
PROJECT INFO

SNYDER & ASSOCIATES, INC.

231 BENNETT AVENUE
COUNCIL BLUFFS, IOWA 51503
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I:\Projects\2024\124.0835 CD03-DEMOLITION PLAN.dwg RACHEL DICKEY, DEMOLITION PLAN, 2024/09/18, 10:59 AM, ANSI FULL BLEED D (0.00 x 22.00 INCHES)



DEMOLITION PLAN NOTES

1. REMOVAL & DISPOSAL OF THE FOLLOWING ITEMS:
 - A. ASPHALT PAVEMENT & CURBS.
 - B. GRAVEL DRIVE.
 - C. 18" CMP (SILTED IN).
 - D. PARKING STOPS FROM BOTH SIDES OF UPPER LOT.
 - E. WOOD FORM ALONG WEST EDGE OF UPPER LOT.
 - F. EXISTING ISLANDS.
 - G. EXISTING ADA PARKING SIGNS.
 - H. REMOVE EXISTING LANDSCAPING AND ROCK.
 - I. EXISTING FENCE. OWNER TO REMOVE BARBED WIRE BEFORE CONSTRUCTION. CONTRACTOR TO REMOVE, SALVAGE AND RESET FENCE. OWNER TO REINSTALL BARBED WIRE FOLLOWING CONSTRUCTION.
 - J. EXISTING CONCRETE SIDEWALK.
 - K. CONCRETE PAVEMENT.
2. PROTECT THE FOLLOWING ITEMS:
 - A. GRAVEL AT TOWER AREA.
 - B. BUILDING STOOP.
 - C. STORAGE BUILDING APRON.
 - D. GARAGE CONCRETE APRON.
 - E. EXISTING 8" PVC DRAIN.
 - F. LIGHT POLES.
 - G. METAL TRENCH COVER DRAIN TO BE SAVED AND REUSED.
 - H. EXISTING RIP RAP FOR STORM OVERFLOW TO BE SALVAGED FOR REUSE IN FRONT OF SCOURSTOP.
 - I. EXISTING DRAIN GRATE. TO BE ADJUSTED TO GRADE.
 - J. TREES
3. SAWCUT THE FOLLOWING LOCATIONS:
 - A. HUNT AVE.
 - B. HAMPTON LANE.
 - C. GARAGE CONCRETE APRON.
4. SALVAGE TO OWNER:
 - A. METAL TRENCH COVER.
5. WHILE PHASE 1 IS UNDER CONSTRUCTION, TEMPORARY ADA PARKING SIGNAGE SHALL BE PLACED AT THIS LOCATION. COORDINATE WITH OWNER FOR WORDING & ENGINEER TO HAVE SIGN MADE BY THEIR OFFICE. THIS ITEM IS SUBSIDIARY TO THE ADA PARKING SIGNAGE & PAVEMENT MARKINGS PAY ITEM.

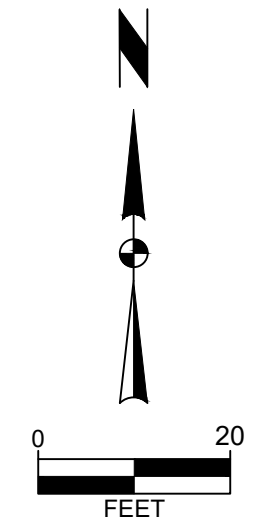
**IOWA STATE PATROL-POST 3 PARKING LOT REPLACEMENT
DEMOLITION PLAN**

POTTAWATTAMIE COUNTY, IOWA

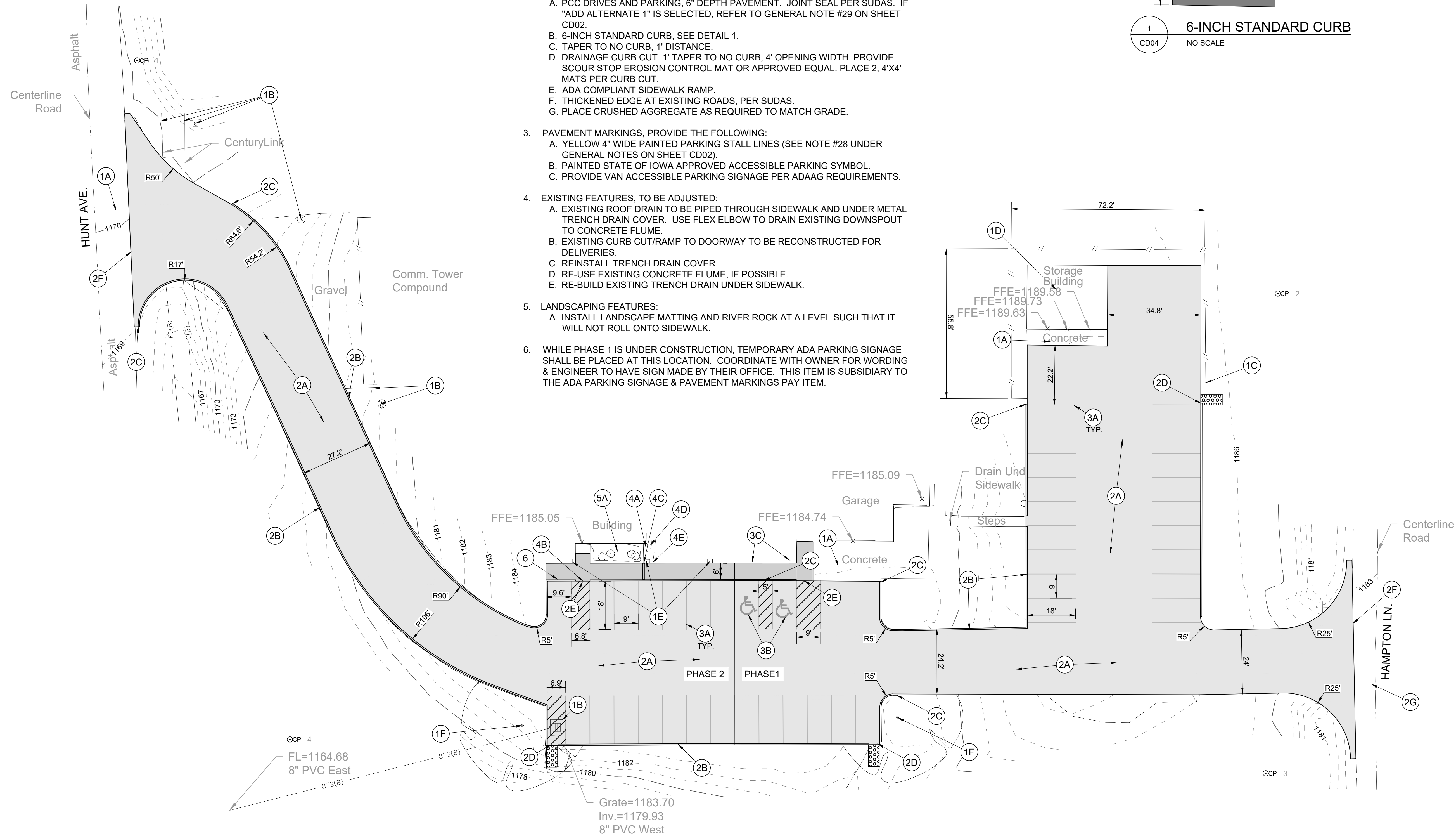
SNYDER & ASSOCIATES, INC.
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Engineer: SCT	Checked By: EAH	Scale: 1" = 20'	
Technician: SCT	Date: 09-13-2024	T-R-S: 75N-43W-22	
Project No: 124.0835.10			Sheet CD03

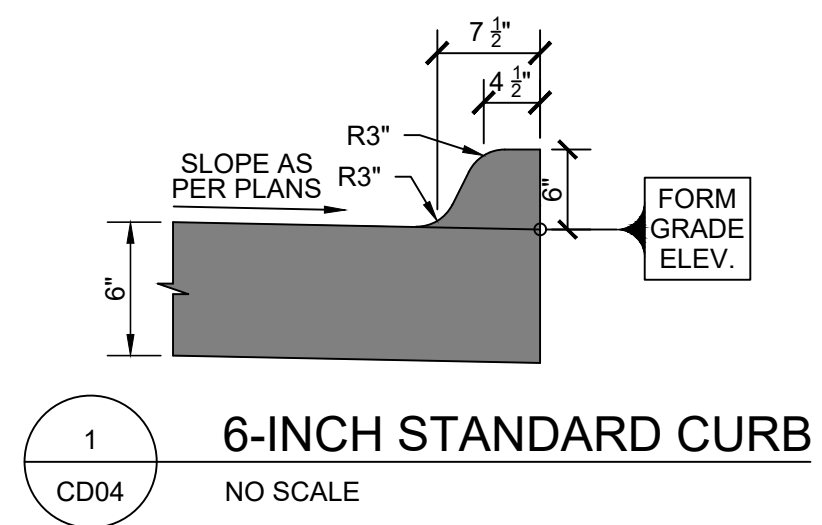


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SITE PLAN CONSTRUCTION NOTES

1. EXISTING FEATURES. PROTECT THE FOLLOWING:
 - A. PAVEMENTS TO REMAIN.
 - B. EXISTING UTILITIES
 - C. EXISTING FENCE. REMOVE, SALVAGE & RESET.
 - D. EXISTING BUILDING TO PROTECT.
 - E. SITE LIGHTING TO PROTECT.
 - F. TREES TO PROTECT.
2. PAVEMENTS, PROVIDE THE FOLLOWING:
 - A. PCC DRIVES AND PARKING, 6" DEPTH PAVEMENT. JOINT SEAL PER SUDAS. IF "ADD ALTERNATE 1" IS SELECTED, REFER TO GENERAL NOTE #29 ON SHEET CD02.
 - B. 6-INCH STANDARD CURB, SEE DETAIL 1.
 - C. TAPER TO NO CURB, 1' DISTANCE.
 - D. DRAINAGE CURB CUT. 1' TAPER TO NO CURB, 4' OPENING WIDTH. PROVIDE SCOUR STOP EROSION CONTROL MAT OR APPROVED EQUAL. PLACE 2, 4'X4' MATS PER CURB CUT.
 - E. ADA COMPLIANT SIDEWALK RAMP.
 - F. THICKENED EDGE AT EXISTING ROADS, PER SUDAS.
 - G. PLACE CRUSHED AGGREGATE AS REQUIRED TO MATCH GRADE.
3. PAVEMENT MARKINGS, PROVIDE THE FOLLOWING:
 - A. YELLOW 4" WIDE PAINTED PARKING STALL LINES (SEE NOTE #28 UNDER GENERAL NOTES ON SHEET CD02).
 - B. PAINTED STATE OF IOWA APPROVED ACCESSIBLE PARKING SYMBOL.
 - C. PROVIDE VAN ACCESSIBLE PARKING SIGNAGE PER ADAAG REQUIREMENTS.
4. EXISTING FEATURES, TO BE ADJUSTED:
 - A. EXISTING ROOF DRAIN TO BE PIPED THROUGH SIDEWALK AND UNDER METAL TRENCH DRAIN COVER. USE FLEX ELBOW TO DRAIN EXISTING DOWNSPOUT TO CONCRETE FLUME.
 - B. EXISTING CURB CUT/RAMP TO DOORWAY TO BE RECONSTRUCTED FOR DELIVERIES.
 - C. REINSTALL TRENCH DRAIN COVER.
 - D. RE-USE EXISTING CONCRETE FLUME, IF POSSIBLE.
 - E. RE-BUILD EXISTING TRENCH DRAIN UNDER SIDEWALK.
5. LANDSCAPING FEATURES:
 - A. INSTALL LANDSCAPE MATTING AND RIVER ROCK AT A LEVEL SUCH THAT IT WILL NOT ROLL ONTO SIDEWALK.
6. WHILE PHASE 1 IS UNDER CONSTRUCTION, TEMPORARY ADA PARKING SIGNAGE SHALL BE PLACED AT THIS LOCATION. COORDINATE WITH OWNER FOR WORDING & ENGINEER TO HAVE SIGN MADE BY THEIR OFFICE. THIS ITEM IS SUBSIDIARY TO THE ADA PARKING SIGNAGE & PAVEMENT MARKINGS PAY ITEM.



IOWA STATE PATROL-POST 3 PARKING LOT REPLACEMENT LAYOUT PLAN

POTTAWATTAMIE COUNTY, IOWA

SNYDER & ASSOCIATES, INC.

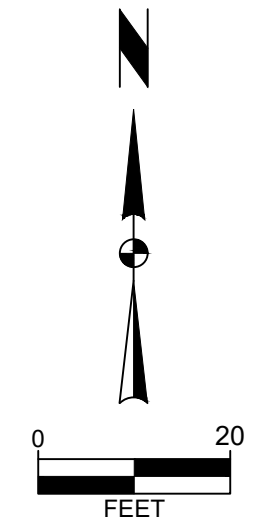
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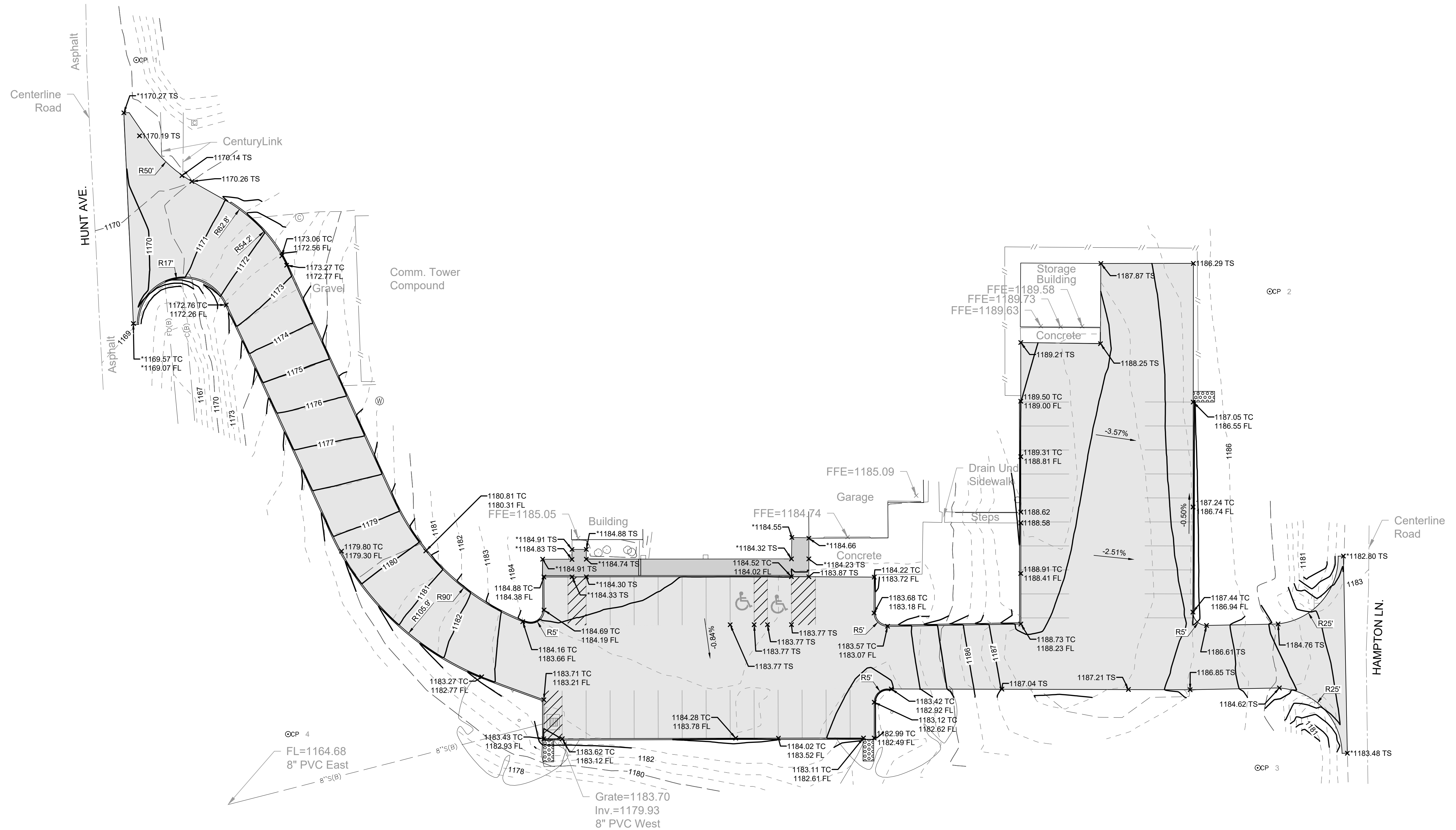
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1	CD04		

REVISION	DATE	BY
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Technician: SCT <td></td> <td></td>		

Project No: 124.0835.10
Sheet CD04



SPOT ELEVATION LEGEND
 TS- TOP OF SLAB
 TC- TOP OF CURB
 FL- FLOW LINE OF CURB
 *- MATCH EXISTING, VERIFY PRIOR TO POUR



IOWA STATE PATROL-POST 3 PARKING LOT REPLACEMENT

GRADING PLAN

SNYDER & ASSOCIATES, INC.

POTTAWATTAMIE COUNTY, IOWA

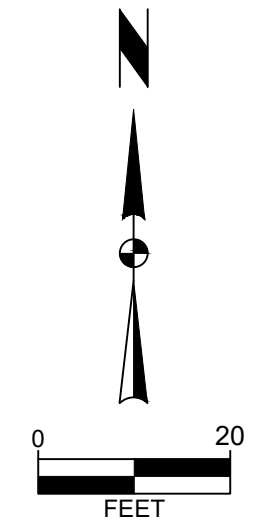
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 COUNCIL BLUFFS, IOWA 51503
 712-322-3202 | www.snyder-associates.com



Project No: 124.0835.10
 Sheet CD05

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Engineer: SCT	Checked By: EAH	Scale: 1" = 20'	
Technician: SCT	Date: 09-13-2024	T-R-S: 75N-43W-22	

Project No: 124.0835.10
 Sheet CD05




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Engineer: SCT	Checked By: EAH	Scale: 1" = 20'	
Technician: SCT	Date: 09-13-2024	T-R-S: 75N-43W-22	
Project No: 124.0835.10			Sheet CD07

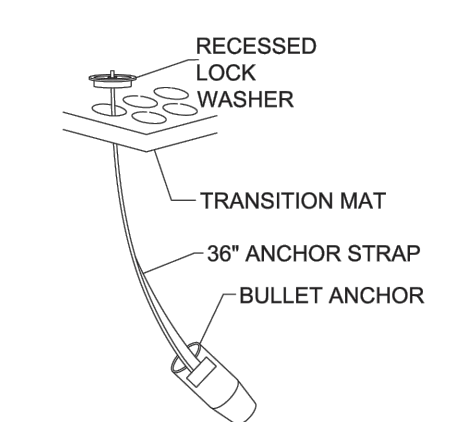
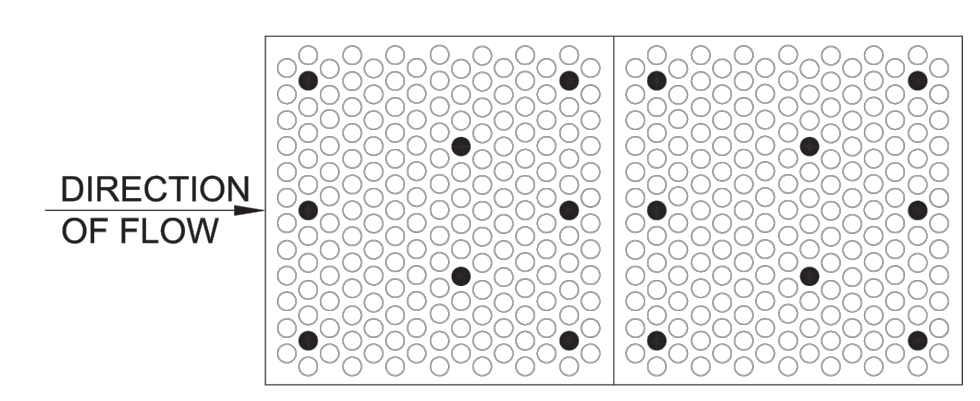
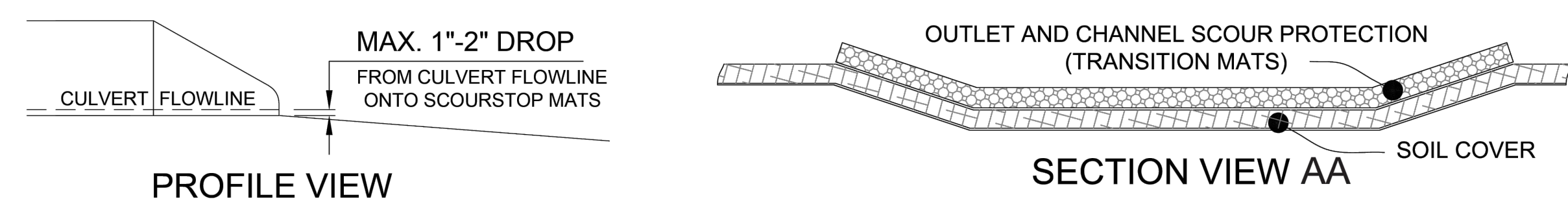
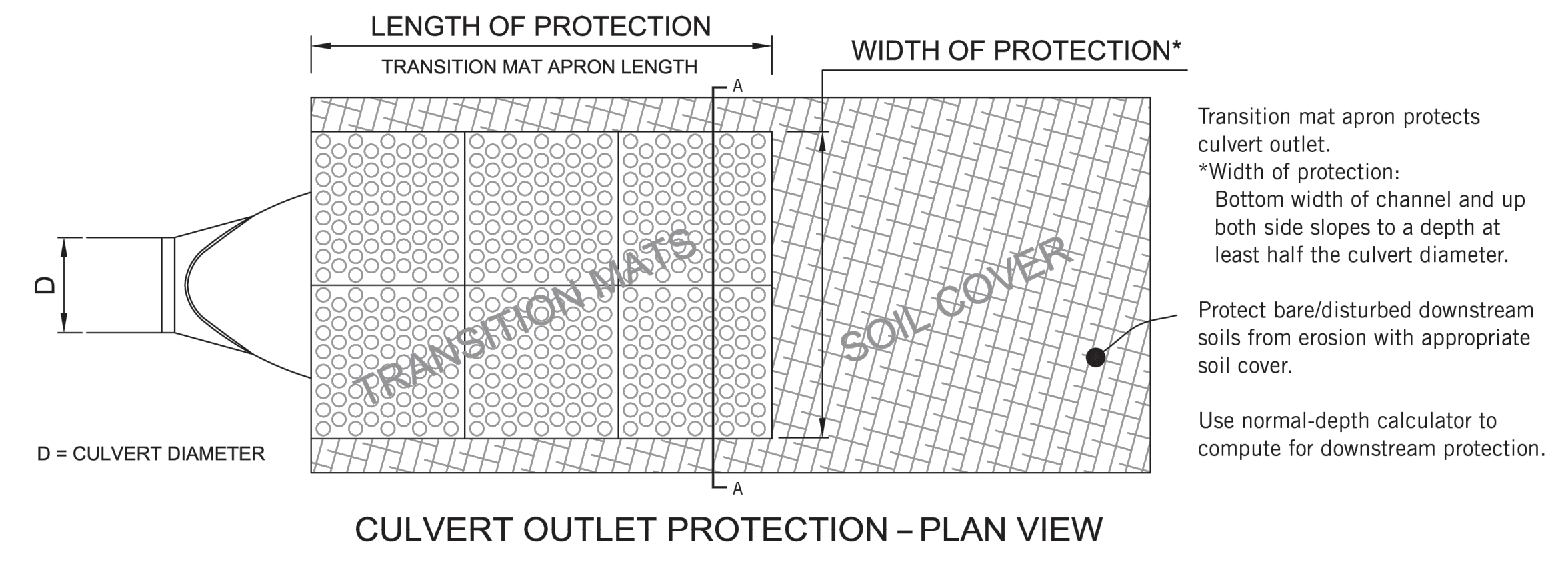
IOWA STATE PATROL-POST 3 PARKING LOT REPLACEMENT
DETAILS
POTTAWATTAMIE COUNTY, IOWA
 231 BENNETT AVENUE
 COUNCIL BLUFFS, IOWA 51503
 712-322-3202 | www.snyder-associates.com
SNYDER & ASSOCIATES, INC.

Project No: 124.0835.10
 Sheet CD07



SNYDER & ASSOCIATES

- ScourStop mats must be installed over a soil cover: sod, seeded turf reinforcement mat (TRM), geotextile, or a combination thereof.
- For steep slopes (>10%) or higher velocities (>10 ft/sec), sod is the recommended soil cover.
- Follow manufacturer's **ScourStop Installation Guidelines** to ensure proper installation.
- Install ScourStop mats at maximum 1-2" below flowline of culvert or culvert apron. (No waterfall impacts onto ScourStop mats.)
- Performance of protected area assumes stable downstream conditions.



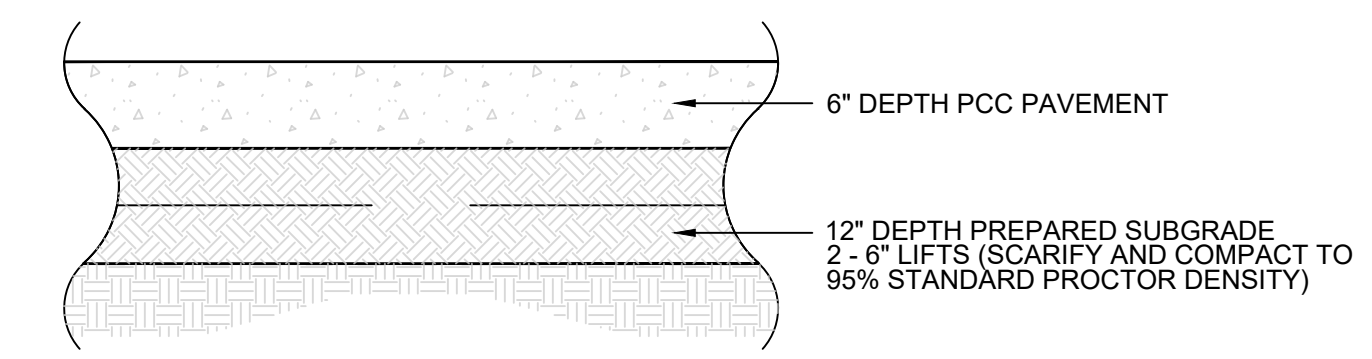
ANCHOR PATTERN

Abut transition mats to end of culvert or culvert apron. Adjacent mats abut together laterally and longitudinally. Minimum 8 anchors per mat. Extra anchors as needed for loose or wet soils. Extra anchors as needed for uneven soil surface.

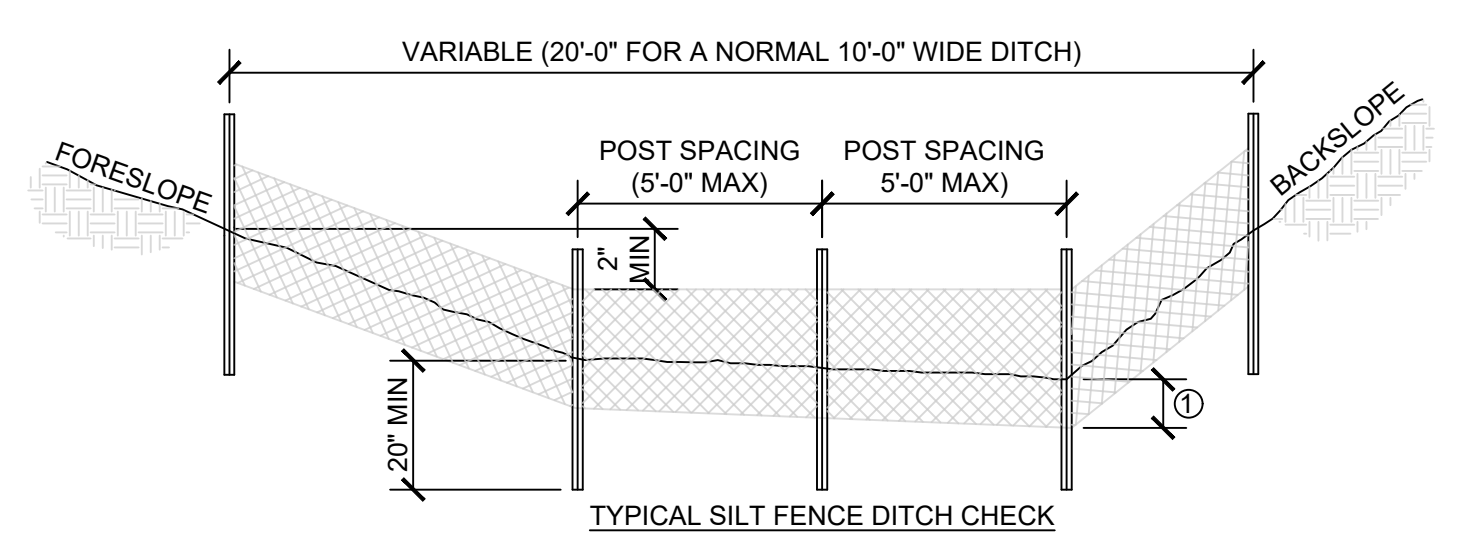
ANCHOR ILLUSTRATION

Install anchors per **ScourStop Installation Guidelines**. Minimum depth 24" in compacted, cohesive soil. Minimum depth 30" in loose, sandy, or wet soil. Extra anchors as needed to secure mat tightly over soil cover.

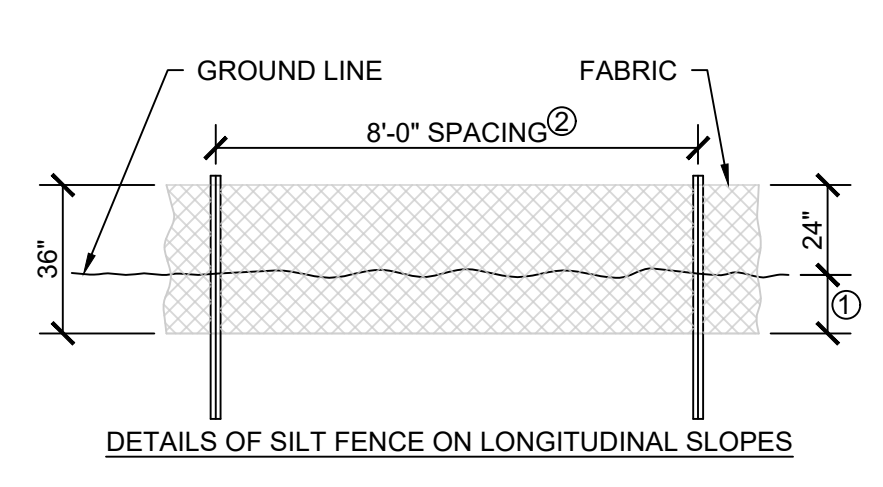
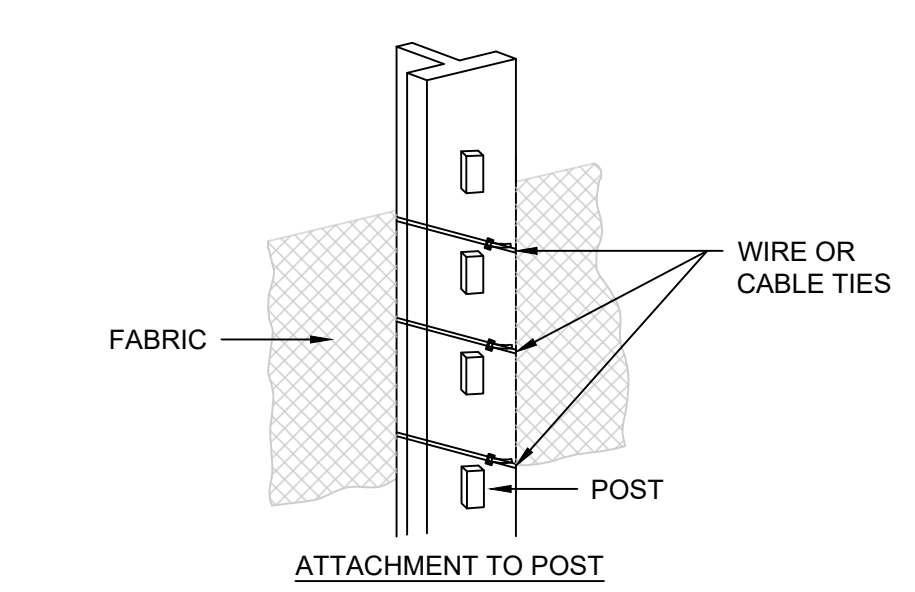
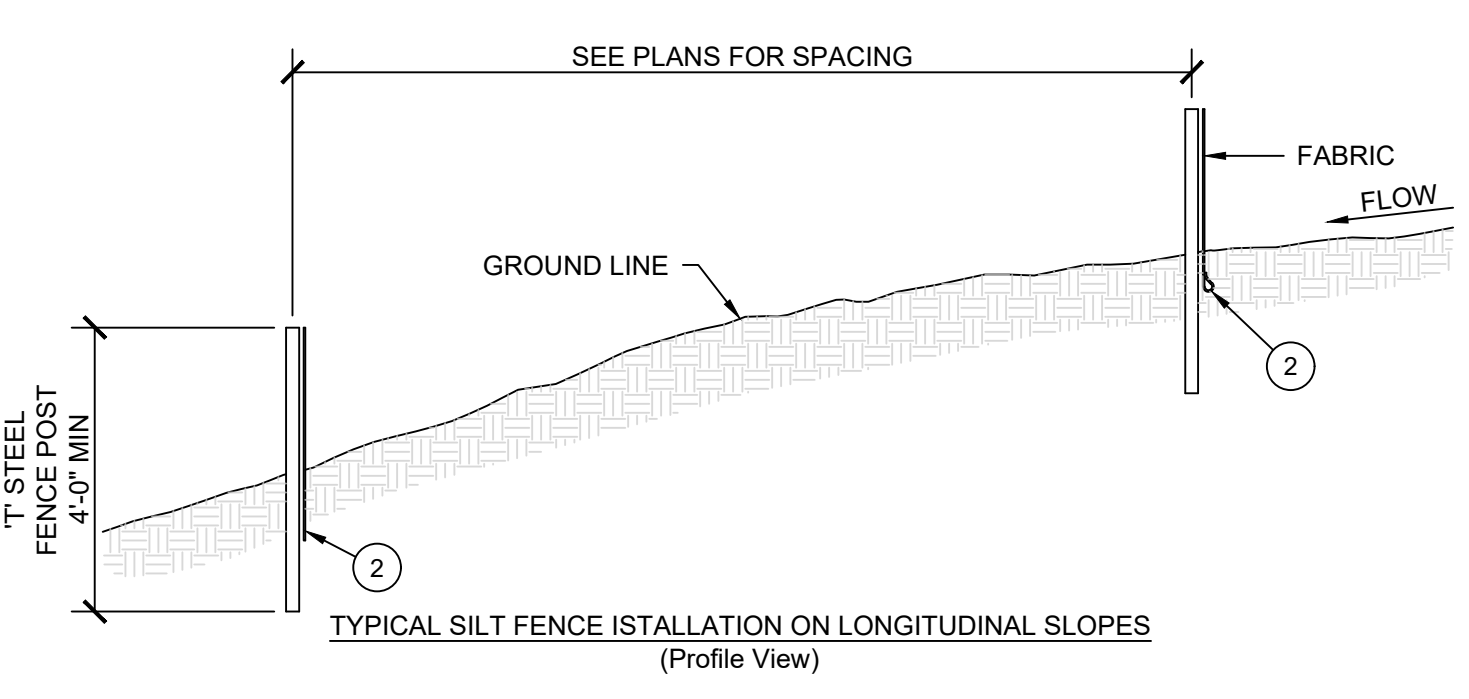
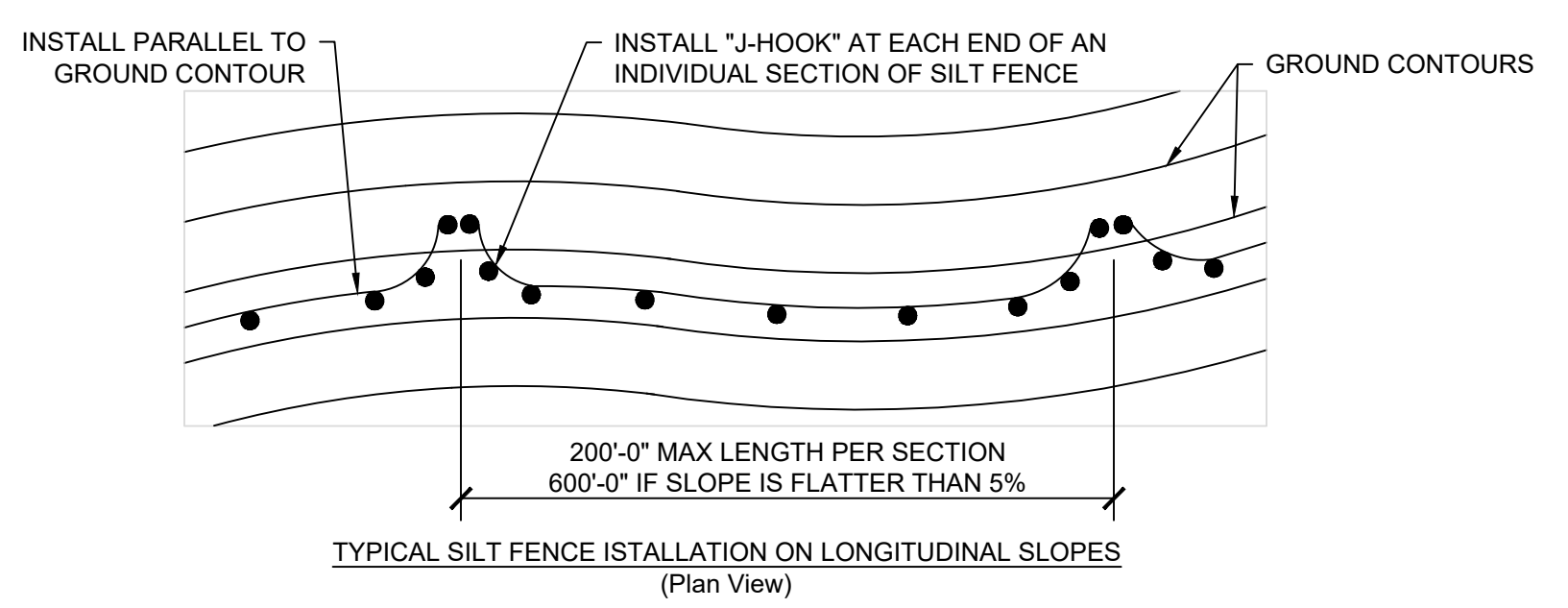
2 SCOURSTOP DETAIL
 CD07 NO SCALE



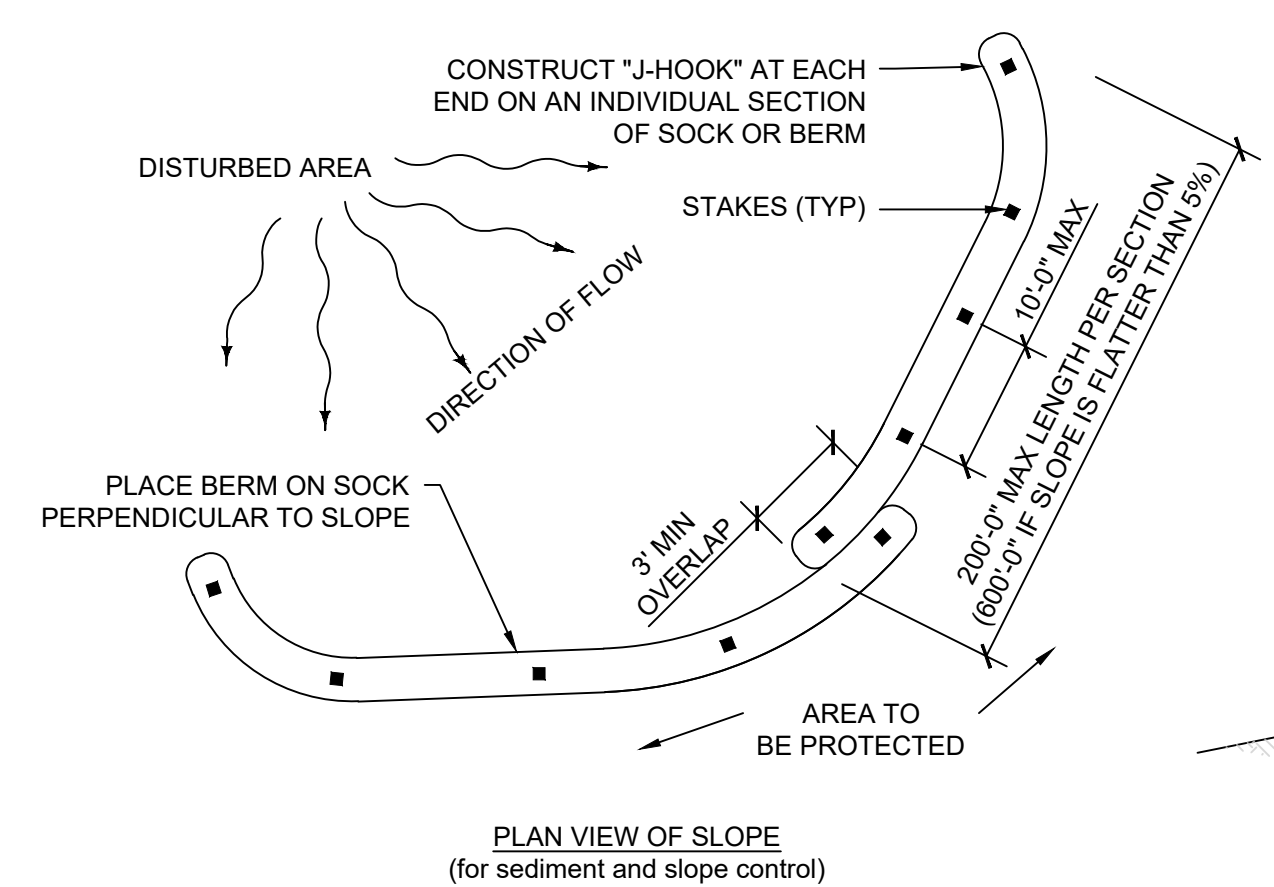
4 6" DEPTH PCC PAVEMENT SECTION
 CD07 NO SCALE



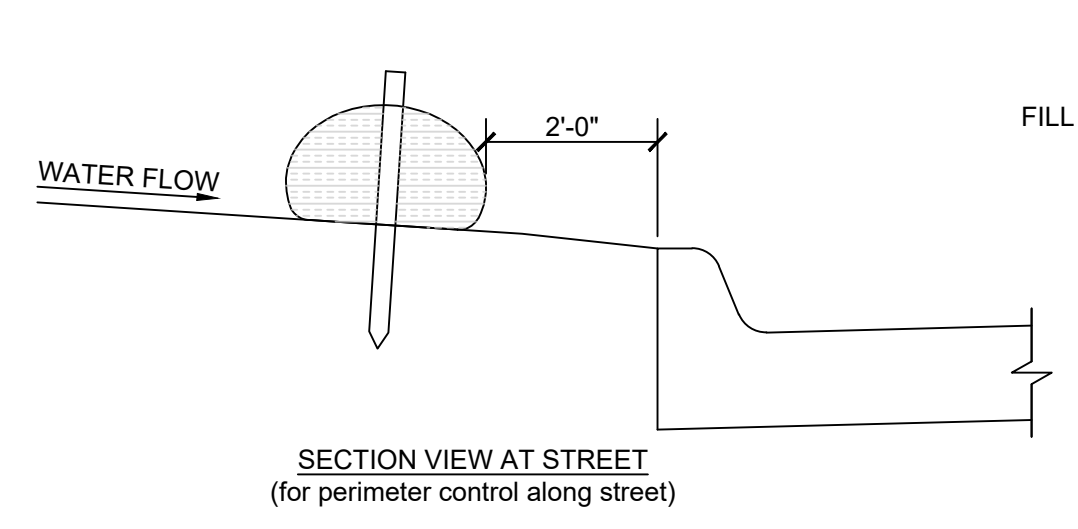
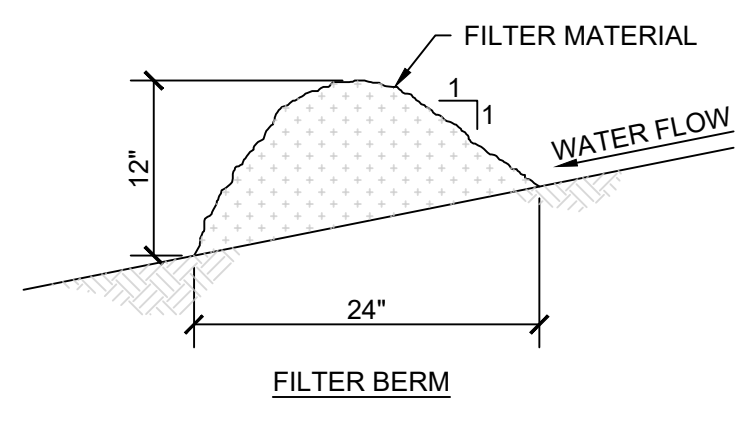
- INSERT 12 INCHES OF FABRIC A MINIMUM OF 6 INCHES DEEP (FABRIC MAY BE FOLDED BELOW THE GROUND LINE).
- REDUCE POST SPACING TO 5'-0" AT WATER CONCENTRATION AREAS, OR AS REQUIRED TO ADEQUATELY SUPPORT FENCE.



1 SILT FENCE DETAIL
 CD07 NO SCALE



BERM SHOWN IS TYPICAL FOR SLOPES FLATTER THAN 3:1. FOR STEEPER SLOPES, INCREASE BERM SIZE AS DIRECTED BY THE ENGINEER.
 PLACE BERM IN UNCOMPACTED WINDOW PERPENDICULAR TO THE SLOPE AT LOCATIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
 FILTER SOCK DIAMETER AS SPECIFIED IN THE CONTRACT DOCUMENTS.



3 FILTER SOCK DETAIL
 CD07 NO SCALE

TYPICAL PLACEMENT OF BERM OR SOCK

I:\admin\VolumeProjects\2024\124.0835.10\CADD\7.4835_CD06-SVPRP-DETAIL.dwg RACHEL DICKEY DETAILS 2024.09.16 11:09 AM ANSI FULL BLEED 0.340 X 0.230 INCHES