



Site Plan Review Committee
COMMUNITY DEVELOPMENT DEPT.
360-330-7662

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City Attorney
Kyle Manley
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SITE PLAN REVIEW COMMITTEE
Meeting Agenda

Monday, February 12, 2024

Join Zoom meeting:

<https://us02web.zoom.us/j/85356833930?pwd=aFJUanFIRXFwWWM1d0xCQnBqQmxodz09>

Meeting ID: 853 5683 3930

Passcode: 770823

Join by mobile: #1-253-215-8782

Applicants should be at the meeting and prepared to discuss their development.
The public is invited to participate in all Site Plan Review meetings.

9:00 AM STAFF REVIEW TIME

10:00 AM – Site Plan Review

Project Name:	Centralia College TEFDC
Applicant/Owner:	Mallory Dobbs, LDC Corp.
Property Address:	415 S King Street
Contact Phone:	360-634-2067
Email:	mdobbs@LDCcorp.com
Zone:	R:8 / OSPF
Comp. Plan:	MDR / OSPF
Parcel Information:	000675-000-000, 0.22 AC
Request:	Construct 19,000 sq. ft. Teacher Education and Family Development Center, including two right-of-way vacations, and all associated infrastructure.

	architect_ MCGRANAHAN ARCHITECTS civil engineer_ LDC landscape design_ KSLA structural engineer_ PCS STRUCTURAL SOLUTIONS mechanical engineer_ BCE ENGINEERS electrical engineer_ WOOD HARBINGER
	project_ TEACHER EDUCATION & FAMILY DEVELOPMENT CENTER client_ CENTRALIA COLLEGE location_ CENTRIA, WA
	state project number_ 2022-780

issued_	13 JAN 2023
SO SET	22 MAR 2023
BD SET	31 MAR 2023
SPR SUBMITTAL	26 MAR 2023
75% PERMIT SUBMITTAL	26 JULY 2023
PERMIT SUBMITTAL	28 AUGUST 2023
FINAL CD	29 OCTOBER 2023
CD RESUBMITTAL	07 FEBRUARY 2024
revision_	
drawn_	
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checked_	
MD	
sheet_	
C1.01	

SE 1/4 NW 1/4 SEC. 8, TWP. 14 N., RNG. 2 W., W.M.



REFERENCES USED

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~~CHANCE THE MESSAGE THE MESSAGE TO COUNTESS~~
~~RECEIVED BY ALL IN COUNTESS~~

SURVEY NOTES

- [illegible]

CERTIFICATION

I HEREBY CERTIFY THAT THE QUALITY CONTROL PERSONNEL OF A BOLSONARI
HAS REVIEWED THE QUALITY WORK I HAVE MY DIRECTORSHIP PERSONNEL TO
THE PEOPLE OF THE COMMUNITY OF JUNE 2002.

San Diego

TOPOGRAPHIC AND BOUNDARY SURVEY
CENTRALIA COMMUNITY COLLEGE CAMPUS
TEACHER EDUCATION AND FAMILY DEV. CENTER
CITY OF CENTRALIA, LEWIS COUNTY, WASHINGTON



DATE: 08/06/2009
DURATION: 00:01:00
SPEAKER: 0001 / 0001 / TUS
CHANNELS: STEREO
REVISION NUMBER:

SCALE: 7 - 35

PROMOTED MESSAGE:
WBE60000-0021

PROGRAM FILE:
06-TP-WBE60000-0001.dsp.

FILE NO:

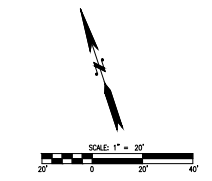
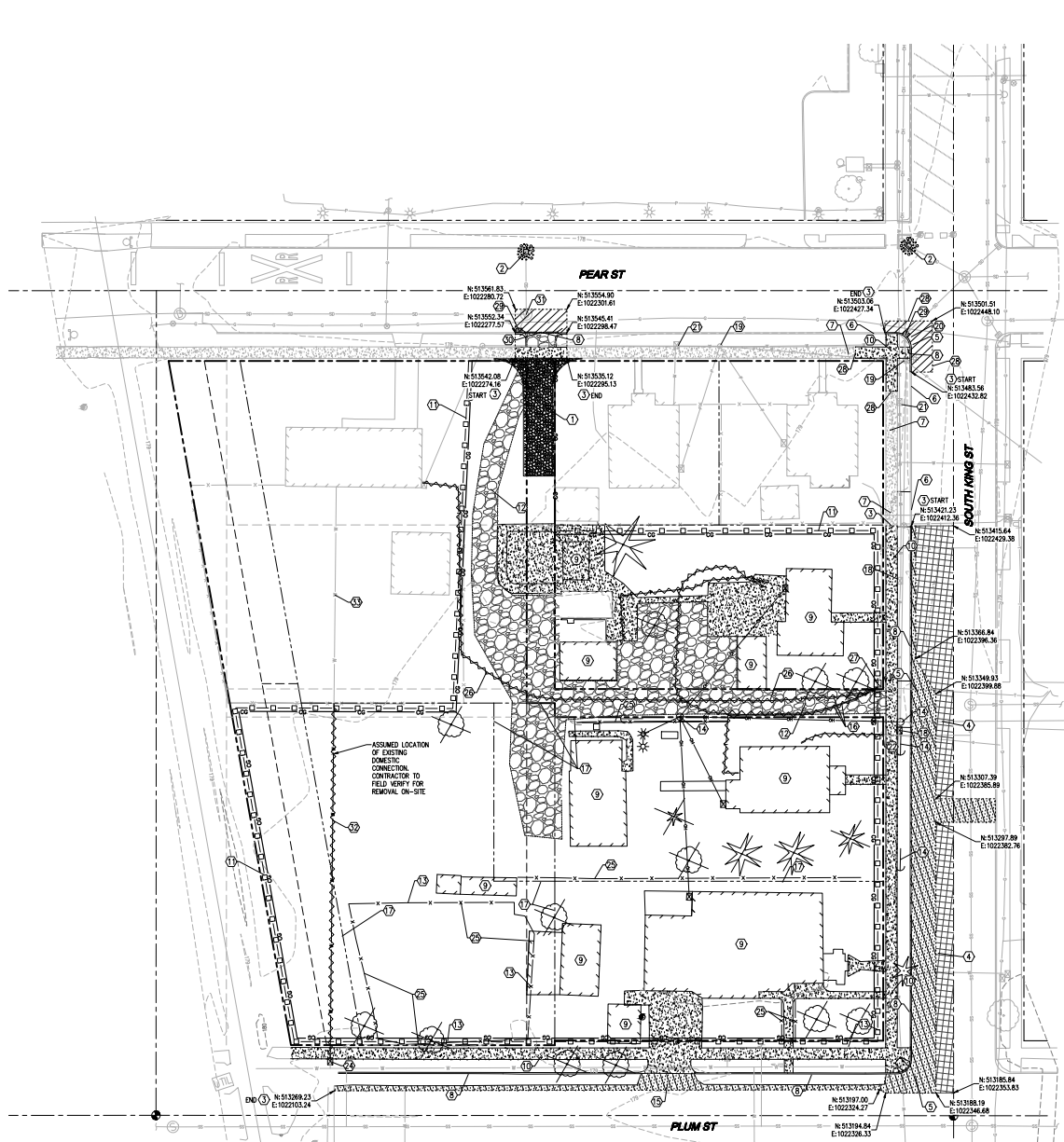
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APPROVED BY THE CITY OF CENTRALIA

CITY ENGINEER

DATE

APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE



- LEGEND**
- PROPERTY LINE
 - EXISTING WATER LINE
 - EXISTING SEWER LINE
 - EXISTING STORM LINE
 - EXISTING GAS LINE
 - EXISTING POWER LINE
 - EXISTING OVERHEAD POWER LINE
 - EXISTING TELEPHONE LINE
 - CLEARING LIMITS
 - SILT FENCE PER CITY OF CENTRALIA STD. DETAIL 9-04 SHOWN ON SHEET C2.02
 - TEMPORARY CONSTRUCTION ENTRANCE PER CITY OF CENTRALIA STD. DETAIL 9-10 SHOWN ON SHEET C2.02
 - STORM DRAIN INLET PROTECTION PER CITY OF CENTRALIA STD. DETAIL 9-06 SHOWN ON SHEET C2.02
 - SAWCUT
 - EXISTING UTILITY TO BE REMOVED AND BACKFILLED TO 90% COMPACTION
 - ASPHALT PAVEMENT REMOVAL
 - CONCRETE REMOVAL
 - GRAVEL REMOVAL
 - GRIND & OVERLAY
 - EXISTING TREE TO BE REMOVED

DEMOLITION AND TESC NOTES

1. INSTALL CONSTRUCTION ENTRANCE PER DETAIL ON SHEET C2.02
2. INSTALL STORM DRAIN INLET PROTECTION PER DETAIL ON SHEET C2.02
3. SAWCUT
4. GRIND AND OVERLAY PAVEMENT TO CENTERLINE OF ROADWAY
5. REMOVE AND DISPOSE OF ASPHALT PAVEMENT AND BASE
6. PROTECT IN-PLACE EXISTING CURB
7. PROTECT IN-PLACE EXISTING SIDEWALK
8. REMOVE AND DISPOSE OF EXISTING CURB
9. EXISTING BUILDING TO BE DEMOLISHED BY COLLEGE
10. REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK
11. INSTALL SILT FENCE PER DETAIL ON SHEET 2.02
12. REMOVE EXISTING GRAVEL DRIVEWAY
13. EXISTING FENCE TO BE DEMOLISHED BY COLLEGE
14. REMOVE AND DISPOSE OF EXISTING POWER POLE AND GUY WIRE. COORDINATE WITH UTILITY PURVEYOR FOR ADDITIONAL INFORMATION. SEE ELECTRICAL PLANS FOR PROPOSED POWER UNDERGROUNDING
15. REMOVE AND DISPOSE OF EXISTING DRIVEWAY
16. REMOVE AND DISPOSE OF EXISTING UNDERGROUND TELEPHONE LINES. COORDINATE WITH UTILITY PURVEYOR.
17. PROPERTY LINE TO BE REMOVED WITH LOT CONSOLIDATION TO BE COMPLETED PRIOR TO FINAL PERMIT APPROVAL
18. REMOVE EXISTING WATER METER, RETURN METER TO UTILITY PURVEYOR.
19. PROTECT EXISTING POWER POLE AND GUY WIRE
20. PROTECT CATCH BASIN, ADJUST RIM TO GRADE
21. PROTECT EXISTING METER IN PLACE
22. REMOVE AND CAP EXISTING GAS LINE AT PROPERTY LINE, COORDINATE WITH UTILITY PURVEYOR.
23. EXISTING FENCE TO BE PROTECTED IN PLACE
24. RELOCATE EXISTING METER, SEE SHEET C2.01 FOR PROPOSED LOCATION
25. REMOVE EXISTING FENCE
26. UNDERGROUND TELEPHONE LINE TO BE RELOCATED PER ELECTRICAL PLANS
27. RELOCATE PER ELECTRICAL PLANS
28. SAWCUT AT NEAREST JOINT AND REMOVE ENTIRE PANEL. LOCATIONS TO BE DETERMINED IN THE FIELD
29. REMOVE AND DISPOSE OF EXISTING CATCH BASIN AND COMPACT TO 90% MAXIMUM DENSITY
30. REMOVE AND DISPOSE OF EXISTING CULVERT
31. PROTECT EXISTING MANHOLE AND ADJUST RIM TO FINISHED GRADE
32. REMOVE AND DISPOSE OF EXISTING WATER SERVICE LINE TO EDGE OF PROPERTY LINE
33. EXISTING WATER SERVICE LINE TO BE ABANDONED IN PLACE

NOTE

1. ABANDON ALL SEWER LATERALS AT RIGHT-OF-WAY LINE PER CITY OF CENTRALIA STANDARDS
2. CAP WATER CONNECTIONS AT MAIN PER CITY OF CENTRALIA STANDARDS
3. LOT CONSOLIDATION WILL BE PREPARED AND SUBMITTED PRIOR TO CONSTRUCTION

APPROVED BY THE CITY OF CENTRALIA
CITY ENGINEER _____ DATE _____
APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE

architect,
MCGRAWHILL ARCHITECTS

civil engineer,
LDC

landscape design,
KKLA

structural engineer,
PCS STRUCTURAL SOLUTIONS

mechanical engineer,
BCE ENGINEERS

electrical engineer,
WOOD HARRINGER



Project,
TEACHER EDUCATION & FAMILY
DEVELOPMENT CENTER
client,
CENTRALIA COLLEGE
location,
CENTRALIA, WA
state project number,
2022-788

Project No 2732
**DEMOLITION AND
TESC PLAN**

SOB SET	ISSUED	15 JAN 2023
DD SET		22 MAR 2023
SPR SUBMITTAL		22 MAR 2023
75% PERMIT SUBMITTAL		26 MAY 2023
PERMIT SUBMITTAL		26 MAY 2023
FINAL CD		28 AUGUST 2023
CD RESUBMITTAL		01 OCTOBER 2023
CD RESUBMITTAL	revision	07 FEBRUARY 2024

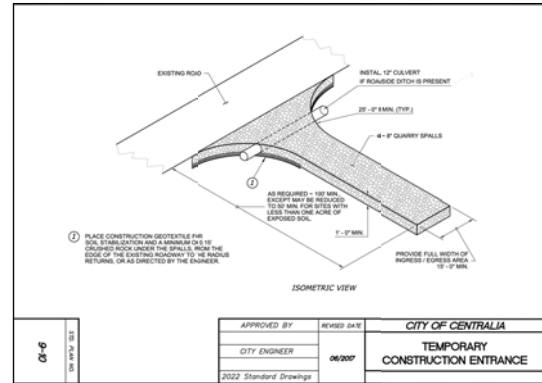
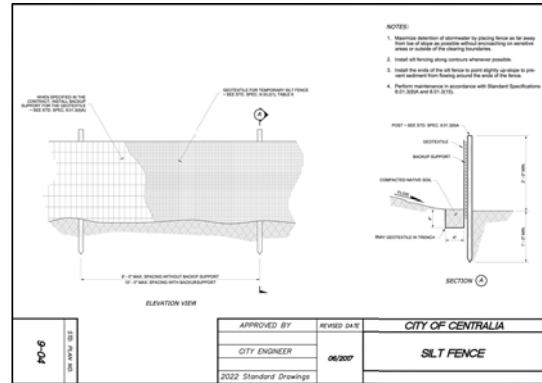
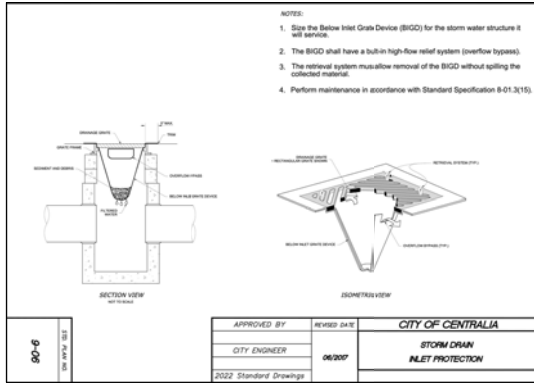
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checked,
MD

sheet,
C2.01

GENERAL EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL FOLLOW EROSION CONTROL PRACTICES OUTLINED IN THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STREAMBED MANAGEMENT MANUAL, FOR WESTERN WASHINGTON AND THE SWPPP.
2. EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. NO SITUATION OF EXISTING OR PROPOSED DRAINAGE FACILITIES SHALL BE ALLOWED. CARE SHALL BE TAKEN TO PREVENT MONITORING OF SALTS TO OFF-SITE PROPERTIES.
3. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE BEGINNING OF CONSTRUCTION. THE PROJECT ENGINEER AND THE REVENUE AGENCY SHALL INSPECT AND APPROVE THE INSTALLATION OF EROSION CONTROL MEASURES PRIOR TO BEGINNING CONSTRUCTION.
 - A. INSTALL INLET SEDIMENTATION AS SPECIFIED AT ALL CATCH BASIN LOCATIONS IMMEDIATELY UPON ARRIVAL AT PROJECT/CONSTRUCTION SITE.
 - B. STABILIZED CONSTRUCTION ENTRANCE SHALL CONFORM TO DETAIL ON SHEET C2.02, STABILIZED CONSTRUCTION ENTRANCE. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT ALL INGRESS/EGRESS POINTS TO CONSTRUCTION SITE.
4. ALL EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL CONSTRUCTION IS COMPLETE AND THE SITE HAS BEEN STABILIZED. THE CONTRACTOR IS RESPONSIBLE FOR IMPROVEMENT, MAINTENANCE, REPLACEMENT, AND ADJUSTING TO THE SYSTEM AS REQUIRED BY THE OWNER, ENGINEER, OR THE CITY OF CENTRALIA.
5. THE CONTRACTOR SHALL MAKE A DAILY SURVEILLANCE OF ALL EROSION CONTROL MEASURES AND MAKE ANY NECESSARY REPAIRS OR ADDITIONS TO THE EROSION CONTROL MEASURES AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS DETERMINED NECESSARY BY THE INSPECTOR AND/OR PROJECT ENGINEER. FAILURE TO COMPLY WITH ALL LOCAL AND STATE EROSION CONTROL REQUIREMENTS MAY RESULT IN CIVIL PENALTIES BEING LEVIED AGAINST THE CONTRACTOR.
6. PRIOR TO CLEARING AND GRADING THE CONTRACTOR SHALL PROTECT TREES TO BE SAVED WITH HIGH VISIBILITY FENCING AT THE ROOT PROTECTION ZONE OR OTHERWISE PROTECTED AS DIRECTED BY THE ENGINEER, CITY STAFF, OR OWNERS REPRESENTATIVE. CLEARING AND GRADING LIMITS SHALL BE STAKED IN THE FIELD PRIOR TO DICATION.
7. ALL STORM DRAINAGE INLETS RECEIVING RUNOFF FROM THE PROJECT DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LOADED WATER WILL BE FILTERED BEFORE ENTERING THE CONVEYANCE SYSTEM.
8. ALL OFF-SITE CATCH BASINS IMMEDIATELY ADJACENT TO THE PROPOSED SITE SHALL BE PROTECTED FROM SILTATION.
9. THE CONSTRUCTION OF TRENCHES (E.G., PIPES, UNDERGROUND UTILITY LINES AND STRUCTURES) SHALL BE SUBJECT TO THE FOLLOWING CRITERIA:
 - A. NO MORE THAN 300 FEET OF TRENCH ON A DOWNSLOPE OF MORE THAN FIVE PERCENT SHALL BE OPENED AT ONE TIME.
 - B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
10. TRENCH DEWATERING DEVICES SHALL BE DISCHARGED IN A MANNER THAT WILL NOT ADVERSELY AFFECT STREAMS, DRAINAGE SYSTEMS, OR OFF-SITE PROPERTIES.
11. TRACKING OF SOIL, MUD, OR DEBRIS OFF-SITE IS NOT ALLOWED. SOIL, MUD, OR DEBRIS TRACKED ONTO A PUBLIC HIGHWAY SHALL BE REMOVED BY THE END OF THAT WORKING DAY. TO PREVENT THE TRACKING OF SOIL, MUD, OR DEBRIS ONTO PUBLIC ROADWAYS, SWEEPING OR WASHING OF THE VEHICLE'S TIRES MAY BE REQUIRED PRIOR TO ENTERING A PUBLIC HIGHWAY.
12. ALL DISTURBED AREAS SHALL BE HYDROSEEDING WITH EROSION CONTROL SEED MIX INCLUDING BUT NOT LIMITED TO ROADWAY ENVIRONMENT, SHOULDERS, UTILITY EASEMENTS, STAGING AREAS, CONSTRUCTED WETLANDS AND CUT/FILL SLOPES.
13. ALL SEEDS OR SOODED AREAS SHALL BE CHECKED REGULARLY TO ENSURE VEGETATIVE COVERAGE IS COMPLETE. AREAS SHALL BE RESEED, RESEEDING, AND FERTILIZED AS REQUIRED.
14. DROP-IN CATCH BASIN FILTERS MAY BE USED IN PLACE OF OTHER STANDARD INLET PROTECTION PRACTICES. THIS INLET PROTECTION TECHNOLOGY CAN BE USED IN SITUATIONS WHERE RIGHT-OF-WAY FLOODING WOULD BE PROBLEMATIC.
15. TO MAINTAIN FUNCTION, THE CONTRACTOR SHALL REMOVE AND CLEAN OR REPLACE FILTERS AFTER EACH STORM EVENT. CONTACT THE JURISDICTION TO DETERMINE ITS ACCEPTANCE OF SPECIFIC FILTER PRODUCTS, PRIOR TO INSTALLATION.
16. NO MATERIAL SHALL BE STOCKPILED ON PAVEMENT WITHOUT AUTHORIZATION FROM THE PROJECT ENGINEER OR OWNERS REPRESENTATIVE WHICH WILL BE CONDITIONAL ON IMPLEMENTATION OF A PROCEDURE TO PREVENT SEDIMENT TRANSPORT.
17. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED OR AFTER THE MEASURES ARE NO LONGER NEEDED. SEDIMENT COLLECTED IN TRAPS, PIPES, OR SILT FENCE SHALL BE REMOVED AND DISPOSED IN AN APPROVED MANNER OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM SEDIMENT REMOVAL SHALL BE PERMANENTLY STABILIZED WITHIN SEVEN (7) DAYS.



FILE A.B.C.

architect,
MOGRANAHAN ARCHITECTS
civil engineer,
LDC
landscape design,
KXIA
structural engineer,
PCS STRUCTURAL SOLUTIONS
mechanical engineer,
BCE ENGINEERS
electrical engineer,
WOOD HARBINGER



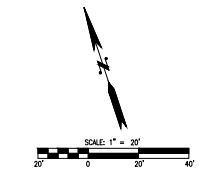
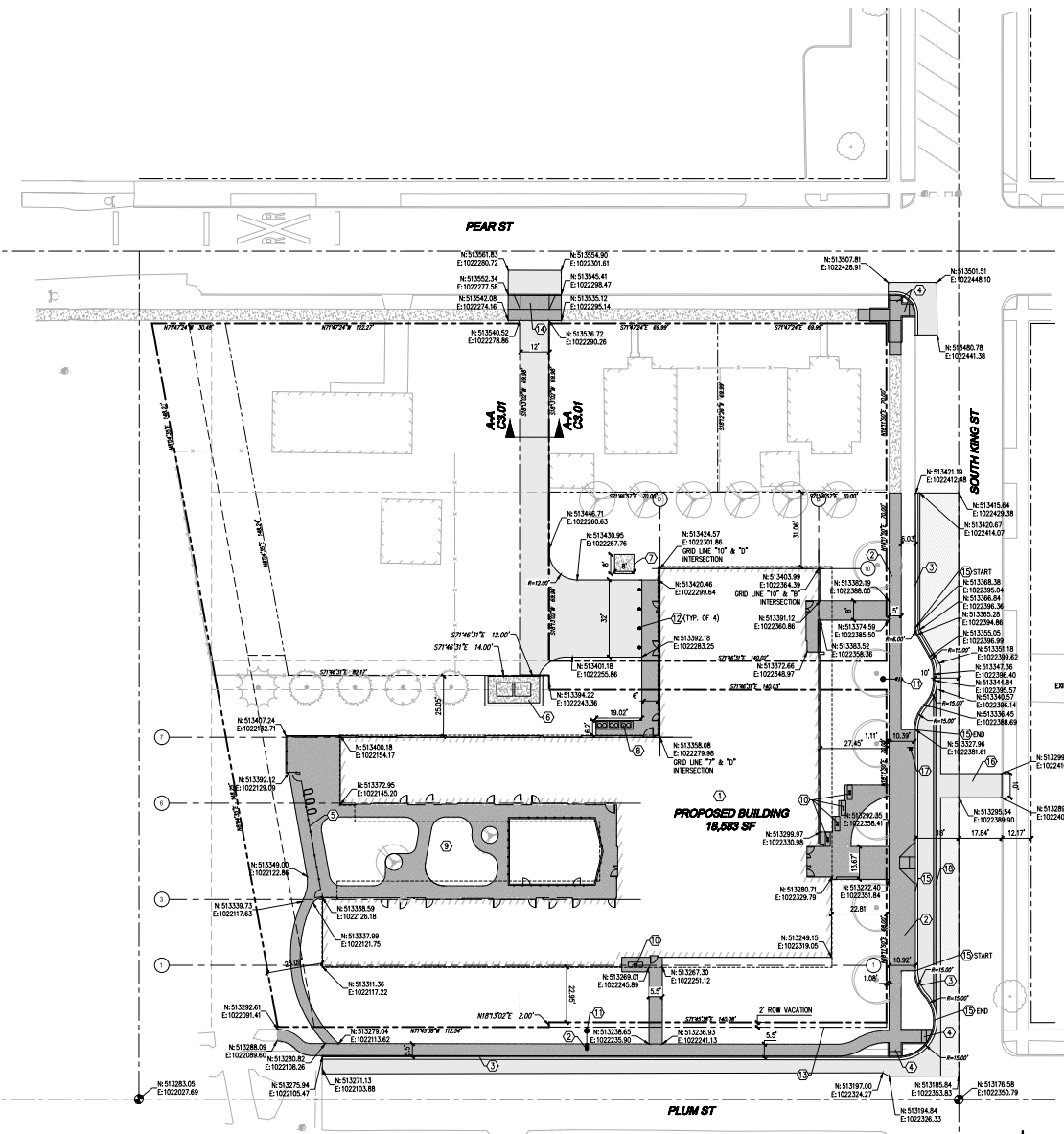
Project,
TEACHER EDUCATION & FAMILY
DEVELOPMENT CENTER
client,
CENTRALIA COLLEGE
location,
CENTRALIA, WA
State project number,
2022-786

Project No. 2232
TSC NOTES AND
DETAILS

Issued,
15 JAN 2023
DO SET
22 MAR 2023
SPR SUBMITTAL
21 MAY 2023
75% PERMIT SUBMITTAL
26 MAY 2023
FINAL CD
26 JULY 2023
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28 AUGUST 2023
CD RESUBMITTAL
03 OCTOBER 2023
revision,
07 FEBRUARY 2024

drawn,
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C2.02

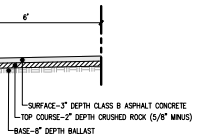


- LEGEND**
- PROPERTY LINE
 - LOT LINE
 - CENTER LINE
 - RIGHT OF WAY LINE
 - PROPOSED BUILDING
 - CONCRETE SIDEWALK PER CITY OF CENTRALIA STD. DETAIL 5-01 SHOWN ON SHEET C3.02. SEE LANDSCAPE PLANS FOR CROSSING AND FINISHING PATTERNS OF ON-SITE WALKWAYS
 - ASPHALT PAVEMENT PER CITY OF CENTRALIA STD. DETAIL 4-09 SHOWN ON SHEET C3.02
 - 2" GRIND & OVERLAY TO ROADWAY CENTERLINE
 - CONCRETE PAVEMENT PER DETAIL SHOWN ON SHEET C3.02
 - PLAY AREA, SEE LANDSCAPE PLANS
 - GRAVEL PATH PER LANDSCAPE PLANS
 - CONCRETE CURB PER CITY OF CENTRALIA STD. DETAIL 5-02 SHOWN ON SHEET C3.02
 - STREET LIGHT POLE PER CITY OF CENTRALIA STD. DETAIL 7-01 & 7-03 SHOWN ON SHEET C3.02
 - EXISTING LAWN
 - EXISTING FENCE
 - PROPOSED FENCING, SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION
 - BUILDING OVERHANG
 - GRID LINE
 - PROPOSED TREE

- GENERAL NOTES**
1. PROPOSED BUILDING, SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION
 2. PROPOSED CEMENT CONCRETE SIDEWALK PER DETAIL ON SHEET C3.02
 3. PROPOSED CEMENT CONCRETE CURB PER DETAIL ON SHEET C3.02
 4. PROPOSED ADA SIDEWALK RAMP TYPE 4B PER DETAIL ON SHEET C3.02
 5. PROPOSED FENCING, SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION
 6. PROPOSED TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION
 7. PROPOSED TRANSFORMER PAD, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
 8. PROPOSED PAD FOR MECHANICAL EQUIPMENT, SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION
 9. PROPOSED PLAY AREA, SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION
 10. PROPOSED BINE RACKS, SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION
 11. PROPOSED STREET LIGHT POLE, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
 12. PROPOSED BOLLARDS PER DETAIL ON SHEET C3.02
 13. PROPOSED PROPERTY LINE
 14. INSTALL CONCRETE DRIVEWAY PER CITY OF CENTRALIA STD DETAIL 5-03 ON SHEET C3.02
 15. PROPOSED YELLOW PAINTED CURB
 16. PROPOSED TRENCH RESTORATION FOR SEWER CONNECTION PER DETAIL ON SHEET C3.02
 17. PROPOSED LOADING/UNLOADING ZONE SIGN PER DETAIL ON SHEET C3.02
 18. PROPOSED 1" WIDE CONCRETE VALLEY GUTTER PER DETAIL SHOWN ON SHEET C3.02
 19. PROPOSED ADA SIDEWALK RAMP TYPE 1 PER DETAIL ON SHEET C3.02

GENERAL NOTE
ALL DISTURBED PREVIOUS AREAS SHALL BE RESTORED PER BMP 15.13 POST CONSTRUCTION SOIL QUALITY AND DEPTH.

SECTION A-A
NOT TO SCALE



APPROVED BY THE CITY OF CENTRALIA
CITY ENGINEER _____ DATE _____
APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE

architect
MCGRAWHILL ARCHITECTS

civil engineer
LDC

landscape design
KKLA

structural engineer
PCS STRUCTURAL SOLUTIONS

mechanical engineer
ECE ENGINEERS

electrical engineer
WOOD HARRINGER

Project
TEACHER EDUCATION & FAMILY
DEVELOPMENT CENTER
client
CENTRALIA COLLEGE
location
CENTRALIA, WA
state project number
2022-786
Project No. 2212

**SITE
IMPROVEMENT
PLAN**

issued 15 JAN 2023

DO SET 22 MAR 2023

SPR SUBMITTAL 22 MAR 2023

75% PERMIT SUBMITTAL 26 MAY 2023

PERMIT SUBMITTAL 26 MAY 2023

FINAL C3.02 28 AUGUST 2023

CD RESUBMITTAL 28 OCTOBER 2023

revision 07 FEBRUARY 2024

drawn
ES

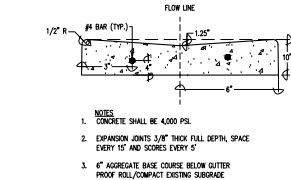
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MD

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C3.01

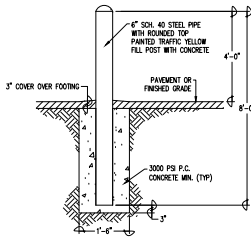
GENERAL NOTES:

1. ALL WORK, WORKMANSHIP AND MATERIALS FOR THIS PROJECT SHALL MEET OR EXCEED THE PROJECT SPECIFICATIONS, CITY OF CENTRALIA ENGINEERING DESIGN AND DEVELOPMENT STANDARDS, AND MAY INCLUDE REFERENCES TO THE MOST CURRENT VERSION OF THE 2023 WISDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION. THERE IS A CONFLICT BETWEEN THE SPECIFICATION TYPES, THE MOST SPECIFIC REFERENCE SHALL BE GIVEN TO THE CITY OF CENTRALIA.
2. ALL GOVERNMENTAL SAFETY REGULATIONS SHALL BE STRICTLY ADHERED TO INCLUDING OSHA, WISHA AND THE WASHINGTON DEPARTMENT OF LABOR AND INDUSTRY.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DAILY NOTIFY THE CITY IN ADVANCE OF THE COMMENCEMENT OF ANY AUTHORIZED WORK AND TO SCHEDULE REQUIRED INSPECTIONS. ALL REQUIRED INSPECTION TESTS WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL PROVIDE A TWO-YEAR WARRANTY ON ALL WORKMANSHIP AND MATERIAL. FOLLOWING ACCEPTANCE OF THE PROJECT BY THE OWNER.
5. THE APPROVAL OF THESE PLANS BY THE CITY OF CENTRALIA DOES NOT RELIEVE THE CONTRACTOR OR DEVELOPER OF THE RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS OF OTHER GOVERNING AGENCIES.
6. CAUTION - NOTICE TO CONTRACTOR
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON THE PROJECT SURVEY AND OTHER RECORDS OF UTILITIES. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL 1-800-424-5555 48 HOURS PRIOR TO PLANNED EXCAVATIONS.
7. THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON COMPLETED SURVEY DATA. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BEGING THE PROPOSED WORK IMPROVEMENTS. IF CONDITIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNERS REPRESENTATIVE.
8. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. PRIOR TO CONNECTION TO EXISTING UTILITIES THE CONTRACTOR SHALL VERIFY EXACT LOCATION, DIA, LENGTH, CONDITION, PIPE TYPE, SLOPE AND VERTICAL AND HORIZONTAL ALIGNMENT OF THE EXISTING UTILITY AND PROPOSED POINT OF CONNECTION. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
9. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LOCAL, STATE, AND FEDERAL APPROVALS AND PERMITS.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THE APPROVED PLANS, SPECIFICATIONS, AND CONTRACT DOCUMENTS AT THE CONSTRUCTION SITE AT ALL TIMES.
11. THE CONTRACTOR SHALL PROVIDE SLOPE PROTECTION FOR SLOPES OF 5:1 OR GREATER ACCORDING TO ASSOCIATED GENERAL CONSTRUCTION (GSC) STANDARD GUIDELINES AND BEST MANAGEMENT PRACTICES (BMPs).
12. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL FACILITIES IN ACCORDANCE WITH THE CITY OF CENTRALIA DEPARTMENT OF ECOLOGY STORMWATER MANUAL, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND PER THE EROSION CONTROL PLAN.
13. THE CONTRACTOR SHALL SAFELY MAINTAIN TRAFFIC AND CONTINUOUS ACCESS TO PRIVATE AND/OR PUBLIC PROPERTY.
14. CONSTRUCTION SCHEDULING AND TRAFFIC CONTROL SHALL BE THE CURRENT COPY OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
15. ALL VEHICLES AND EQUIPMENT SHALL BE KEPT WITHIN THE WORK AREAS ESTABLISHED FOR THAT WORK. SHUT OFF TRAILERS TRAVELING TO OR FROM THE SITE UNDER NO CIRCUMSTANCES SHALL VEHICLES OR EQUIPMENT BE PARKED OR STOPPED OUTSIDE OF THESE AREAS.
16. OTHER CONSTRUCTION PROJECTS MAY OCCUR NEAR THE PROJECT SITE AND MAY BE IN PROGRESS CONCURRENT WITH THE PROJECT. THE CONTRACTOR SHALL COORDINATE AND NOT INTERFERE OR HINDER THE PROGRESS OR COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN ON THESE DRAWINGS AND TO OBTAIN ACCEPTANCE BY THE CITY OF CENTRALIA AND THE PROJECT OWNER.
18. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL "PRE CONSTRUCTION" STATE OR BETTER.
19. DRIVEWAY ACCESS AND UTILITY SERVICE TO EXISTING HOMES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.

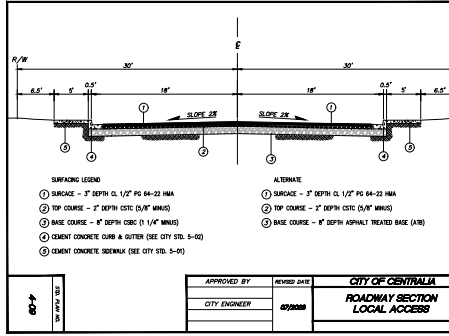
CEMENT CONCRETE VALLEY GUTTER



1. CONCRETE SHALL BE 4000 PSI.
2. EXPANSION JOINTS 3/8" THICK FULL DEPTH, SPACE EVERY 15' AND SCORES EVERY 5'.
3. 4" AGGREGATE BASE COURSE BELOW GUTTER. POOL ROOF/COMPACT EXISTING SUBGRADE.



BOLLARD



- SURFACE LEGEND:**
- 1. SURFACE - 3" DEPTH CL 1/2" PG 64-22 HMA
 - 2. TOP COURSE - 2" DEPTH C5C (5/8" MINUS)
 - 3. BASE COURSE - 1" DEPTH C5C (1 1/4" MINUS)
 - 4. CEMENT CONCRETE CURB & GUTTER (SEE CITY STD. 5-02)
 - 5. CEMENT CONCRETE SIDEWALK (SEE CITY STD. 5-01)
- ALTERNATE:**
- 1. SURFACE - 3" DEPTH CL 1/2" PG 64-22 HMA
 - 2. TOP COURSE - 2" DEPTH C5C (5/8" MINUS)
 - 3. BASE COURSE - 1" DEPTH ASPHALT TREATED BASE (ATB)

APPROVED BY	REVISION DATE	CITY OF CENTRALIA
CITY ENGINEER	08/2023	ROADWAY SECTION LOCAL ACCESS



7' x 2' O.D. 14 GAUGE GALVANIZED STEEL POST W/ 1/8" DIA. PERFORATIONS

5' MIN FOR RURAL ROADS IN URBAN AREAS OR PER MUTCD

CONCRETE BASE W/ 2.25" X 2.25" DIA. 36" LONG, 10 GAUGE GALVANIZED STEEL SLEEVE

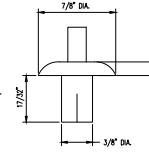
32" MIN 36" MAX

CONCRETE BASE, SIGN POST AND SIGN PLACEMENT

SIGN AND POST

NOT TO SCALE

STEEL DRIVE RIVET STANDARDS



NOTE: USE STEEL DRIVE RIVETS TO FASTEN POST TO SLEEVE AND SHIMS TO POST.

MATERIALS: C1008-1008 ALUMINUM FINED GRADE STEEL.

ENGR. ZINC PLATE W/ CHROMATE SEALER.

DRP. RANGE: NOMINAL 3/16" IN A 3/8" DIA. HOLE.

8" DIAMETER

CONCRETE BASE W/ 2.25" X 2.25" DIA. 36" LONG, 10 GAUGE GALVANIZED STEEL SLEEVE

32" MIN 36" MAX

CONCRETE BASE, SIGN POST AND SIGN PLACEMENT

6 1/2"

PRE-CAST CONCRETE BASE WITH SLEEVE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

ITEM	QTY	UNIT	PRICE	TOTAL
1. CONCRETE	1.00	CU YD	120.00	120.00
2. AGGREGATE	1.00	CU YD	120.00	120.00
3. GUTTER	1.00	LINEAL FT	120.00	120.00
4. BOLLARD	1.00	EA	120.00	120.00
5. SIGN	1.00	EA	120.00	120.00
6. POST	1.00	EA	120.00	120.00
7. SLEEVE	1.00	EA	120.00	120.00
8. RIVET	1.00	EA	120.00	120.00
9. SEALANT	1.00	EA	120.00	120.00
10. PAINT	1.00	EA	120.00	120.00
11. TOTAL				1200.00



NOTE: 1. ALL MATERIALS, WORKMANSHIP AND REGULATION SHALL BE IN ACCORDANCE WITH THE CITY OF CENTRALIA ENGINEERING DESIGN AND DEVELOPMENT STANDARDS, AND MAY INCLUDE REFERENCES TO THE MOST CURRENT VERSION OF THE 2023 WISDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION. THERE IS A CONFLICT BETWEEN THE SPECIFICATION TYPES, THE MOST SPECIFIC REFERENCE SHALL BE GIVEN TO THE CITY OF CENTRALIA.

2. ALL GOVERNMENTAL SAFETY REGULATIONS SHALL BE STRICTLY ADHERED TO INCLUDING OSHA, WISHA AND THE WASHINGTON DEPARTMENT OF LABOR AND INDUSTRY.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DAILY NOTIFY THE CITY IN ADVANCE OF THE COMMENCEMENT OF ANY AUTHORIZED WORK AND TO SCHEDULE REQUIRED INSPECTIONS. ALL REQUIRED INSPECTION TESTS WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.

4. THE CONTRACTOR SHALL PROVIDE A TWO-YEAR WARRANTY ON ALL WORKMANSHIP AND MATERIAL. FOLLOWING ACCEPTANCE OF THE PROJECT BY THE OWNER.

5. THE APPROVAL OF THESE PLANS BY THE CITY OF CENTRALIA DOES NOT RELIEVE THE CONTRACTOR OR DEVELOPER OF THE RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS OF OTHER GOVERNING AGENCIES.

6. CAUTION - NOTICE TO CONTRACTOR
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON THE PROJECT SURVEY AND OTHER RECORDS OF UTILITIES. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL 1-800-424-5555 48 HOURS PRIOR TO PLANNED EXCAVATIONS.

7. THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON COMPLETED SURVEY DATA. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BEGING THE PROPOSED WORK IMPROVEMENTS. IF CONDITIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNERS REPRESENTATIVE.

8. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. PRIOR TO CONNECTION TO EXISTING UTILITIES THE CONTRACTOR SHALL VERIFY EXACT LOCATION, DIA, LENGTH, CONDITION, PIPE TYPE, SLOPE AND VERTICAL AND HORIZONTAL ALIGNMENT OF THE EXISTING UTILITY AND PROPOSED POINT OF CONNECTION. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.

9. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LOCAL, STATE, AND FEDERAL APPROVALS AND PERMITS.

10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THE APPROVED PLANS, SPECIFICATIONS, AND CONTRACT DOCUMENTS AT THE CONSTRUCTION SITE AT ALL TIMES.

11. THE CONTRACTOR SHALL PROVIDE SLOPE PROTECTION FOR SLOPES OF 5:1 OR GREATER ACCORDING TO ASSOCIATED GENERAL CONSTRUCTION (GSC) STANDARD GUIDELINES AND BEST MANAGEMENT PRACTICES (BMPs).

12. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL FACILITIES IN ACCORDANCE WITH THE CITY OF CENTRALIA DEPARTMENT OF ECOLOGY STORMWATER MANUAL, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND PER THE EROSION CONTROL PLAN.

13. THE CONTRACTOR SHALL SAFELY MAINTAIN TRAFFIC AND CONTINUOUS ACCESS TO PRIVATE AND/OR PUBLIC PROPERTY.

14. CONSTRUCTION SCHEDULING AND TRAFFIC CONTROL SHALL BE THE CURRENT COPY OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

15. ALL VEHICLES AND EQUIPMENT SHALL BE KEPT WITHIN THE WORK AREAS ESTABLISHED FOR THAT WORK. SHUT OFF TRAILERS TRAVELING TO OR FROM THE SITE UNDER NO CIRCUMSTANCES SHALL VEHICLES OR EQUIPMENT BE PARKED OR STOPPED OUTSIDE OF THESE AREAS.

16. OTHER CONSTRUCTION PROJECTS MAY OCCUR NEAR THE PROJECT SITE AND MAY BE IN PROGRESS CONCURRENT WITH THE PROJECT. THE CONTRACTOR SHALL COORDINATE AND NOT INTERFERE OR HINDER THE PROGRESS OR COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN ON THESE DRAWINGS AND TO OBTAIN ACCEPTANCE BY THE CITY OF CENTRALIA AND THE PROJECT OWNER.

18. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL "PRE CONSTRUCTION" STATE OR BETTER.

19. DRIVEWAY ACCESS AND UTILITY SERVICE TO EXISTING HOMES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.

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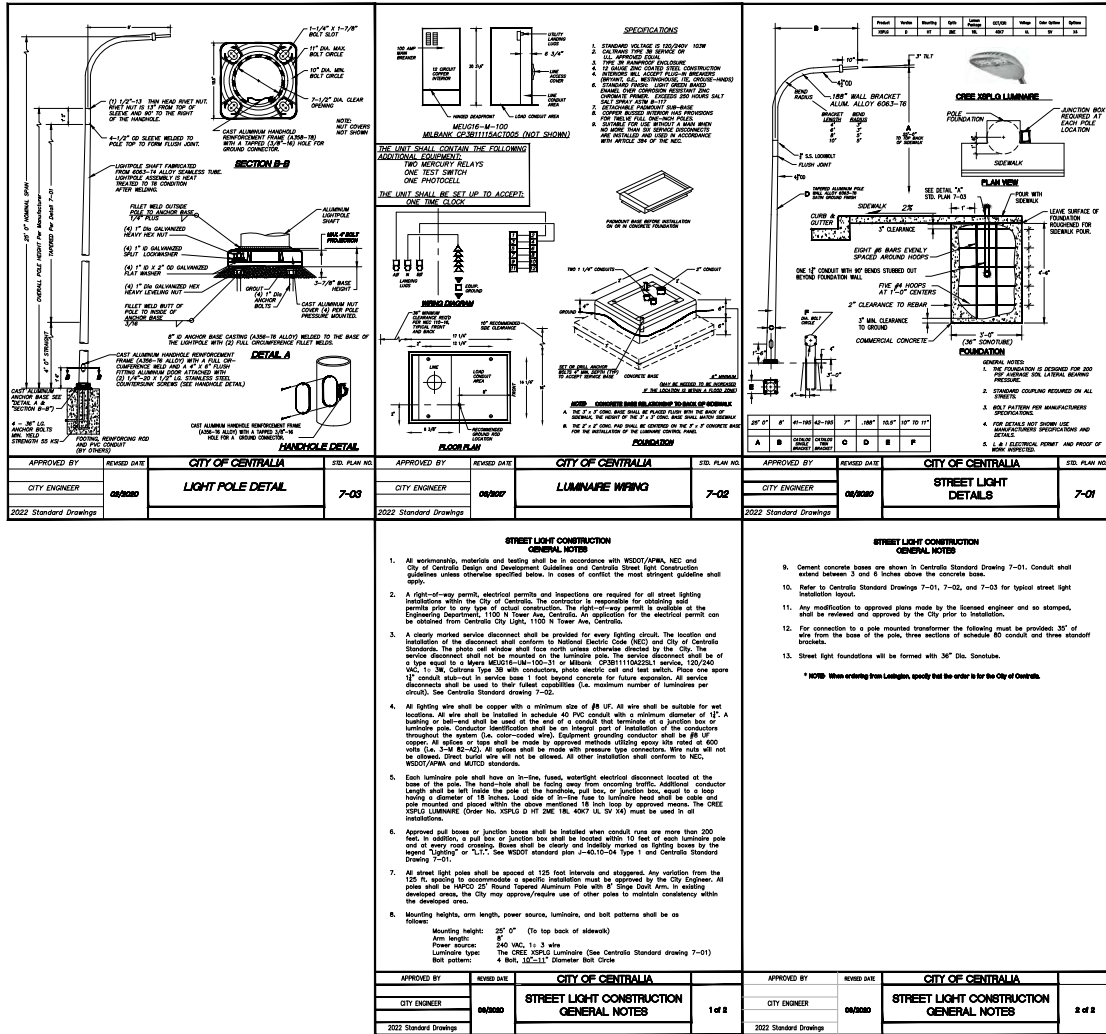
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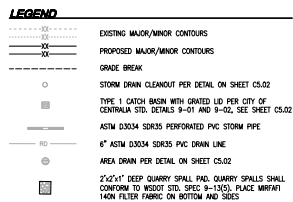
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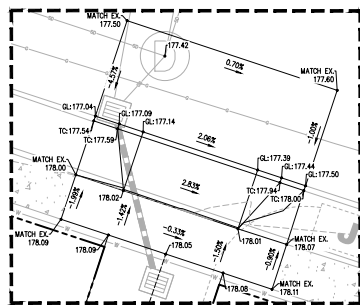
112. DRIVEWAY ACCESS AND UTILITY SERVICE TO EXISTING HOMES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.

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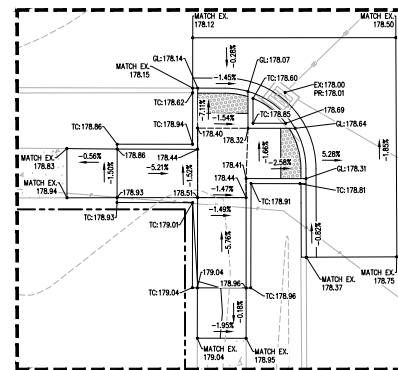




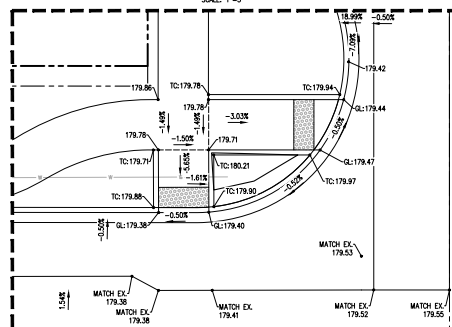
GENERAL NOTE
ALL DISTURBED PERVIOUS AREAS SHALL BE RESTORED PER BMP T5.13
POST CONSTRUCTION SOIL QUALITY AND DEPTH.



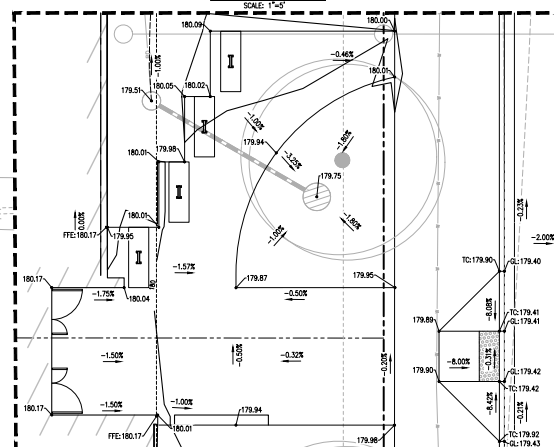
ENLARGED VIEW #5
SCALE: 1"=5'



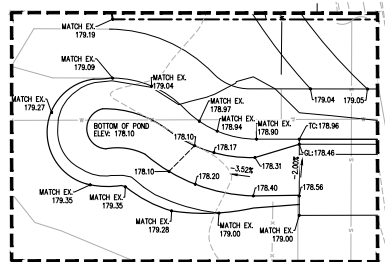
ENLARGED VIEW #1
SCALE: 1"=5'



ENLARGED VIEW #2



ENLARGED VIEW #3



ENLARGED VIEW #4
SCALE: 1"=5'



ENLARGED
VIEW #3
SEE THIS
SHEET



GRADING NOTES

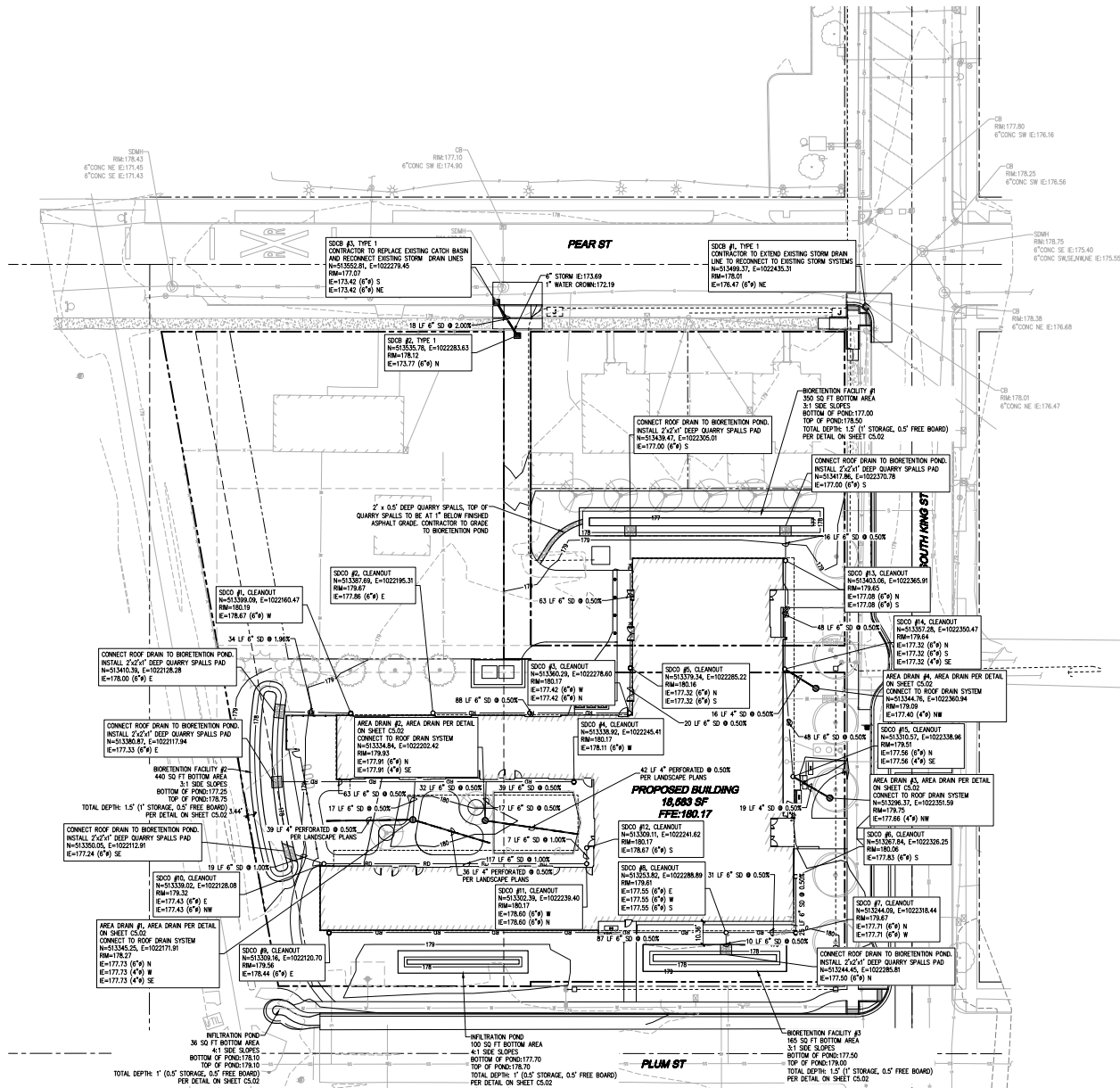
- THE BOUNDARIES OF THE CLEARING/GRADING LIMITS SHOWN ON THE EROSION/SEDIMENTATION CONTROL PLAN (SEE SHEETS E-01) SHALL BE CLEARLY MARKED BY A CHAINING LINE. CHAINING LINE MARKERS SHALL BE PLACED AT 10' INTERVALS. THE CHAINING LINE SHALL BE PERMITTED. THE CHAINING/LIMITS MARKS SHALL BE MAINTAINED BY THE CONTRACTOR'S SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- THREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO ANY GRADING ACTIVITIES. NO EQUIPMENT IS ALLOWED WITHIN THE THREE PROTECTION BOUNDARIES. ANY GRADING ACTIVITIES SHALL BE LIMITED TO THE INTERIOR OF THE PROTECTION FENCING.
- THE TEST FACILITIES SHOWN ON THE EROSION/SEDIMENTATION CONTROL PLAN (SEE SHEETS E-01) MUST BE CONSTRUCTED PRIOR TO AND IN CONJUNCTION WITH ALL CLEARING AND GRADING AND/OR ASHALL/CONCRETE CUTTING SO AS TO ENSURE NO TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES.
- ANY AREAS OF DISPOSAL OFS INCLUDE, BUT NOT LIMITED TO: ROADWAY REMEDIATION, STOCKPILE MATERIALS, AND OIL SPILLS THAT WILL NOT BE RETURNED FOR TO THE CONTRACTOR SHALL BE IMMEDIATELY STABILIZED WITH THE APPROPRIATE TEST METHODS (E.G. SEEDING, MULCHING, PLASTIC COVERING, NETTING, EROSION BLANKETS ETC.).
- STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED PRIOR TO ANY OTHER CLEARING OR GRADING ASSOCIATED WITH THE PROJECT AND MAINTAINED FOR THE DURATION OF CONSTRUCTION. STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE MAINTAINED BY THE CONTRACTOR'S SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- During the wet season (October 1 through April 30), all disturbed soils shall be stabilized within 48 hours after start of work. EROSION CONTROL MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, COVERING THE AFFECTED AREA INCLUDING SOILS WITH PLASTIC SHEETING, STRAW MATTING, ATE MULCH, OR OTHER APPROPRIATE STABILIZATION METHODS.

APPROVED BY THE CITY OF CENTRALIA

CITY ENGINEER _____ DATE _____

APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE

architect	MCGRATH + ARCHITECTS
civil engineer	
LDC	
landscape design	
KILA	
structural engineer	
PCS STRUCTURAL SOLUTIONS	
mechanical engineer	
BCE ENGINEERS	
electrical engineer	
WOOD HARRINGTON	
	
project	TEACHER EDUCATION & FAMILY DEVELOPMENT CENTER
client	CENTRAILIA COLLEGE
location	CENTRAILIA, WA
state project number	2022-786
Project No. 2312	
GRADING PLAN	
issued	13 JAN 2023
DD SET	22 MAR 2023
SPS SUBMITTAL	31 MAR 2023
20% PERMIT SUBMITTAL	26 MAY 2023
PERMIT SUBMITTAL	26 JULY 2023
FINAL CD	28 AUGUST 2023
CD SUBMITTAL	26 OCTOBER 2023
revision	09 FEBRUARY 2024
drawn	
ES	
checked	
MD	
sheet	
C4.01	



LEGEND

- EXISTING MAJOR/MINOR CONTOURS
- PROPOSED MAJOR/MINOR CONTOURS
- GRADE BREAK
- STORM DRAIN CLEAOUT PER DETAIL ON SHEET C5.02
- TYPE 1 CATCH BASIN WITH GRATED LID PER CITY OF CENTRALIA STD. DETAILS 9-01 AND 9-02, SEE SHEET C5.02
- ASTM D3034 SDR35 PERFORATED PVC STORM PIPE
- 6" ASTM D3034 SDR35 PVC DRAIN LINE
- AREA DRAIN PER DETAIL ON SHEET C5.02
- 2"x4"x1" DEEP QUARRY SPALL PAD, QUARRY SPALLS SHALL CONFORM TO WSDOT STD. SPEC 9-135, PLACE IMPACT FIBER FABRIC ON BOTTOM AND SIDES

GENERAL NOTE

ALL DISTURBED PERVIOUS AREAS SHALL BE RESTORED PER BMP 15.13 POST CONSTRUCTION SOIL QUALITY AND DEPTH.

PROJECT

architect
MCGRAWHILL ARCHITECTS
civil engineer
LDC
landscape design
KKLA
structural engineer
PCS STRUCTURAL SOLUTIONS
mechanical engineer
ICE ENGINEERS
electrical engineer
WOOD HARRINGER



Project
TEACHER EDUCATION & FAMILY
DEVELOPMENT CENTER
client
CENTRALIA COLLEGE
location
CENTRALIA, WA
state project number
2023-286

Project No. 2232
DRAINAGE PLAN

ISSUED	15 JAN 2023
DD SET	23 MAR 2023
SPR SUBMITTAL	23 MAR 2023
75% PERMIT SUBMITTAL	26 MAY 2023
FINAL CDR	26 JUN 2023
CD RESUBMITTAL	28 AUGUST 2023
CD RESUBMITTAL	07 SEPTEMBER 2023

drawn
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checked
MD

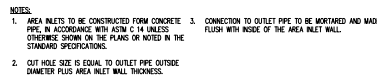
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C5.01

APPROVED BY THE CITY OF CENTRALIA

CITY ENGINEER DATE

APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE

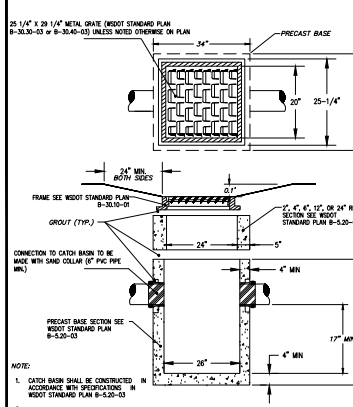


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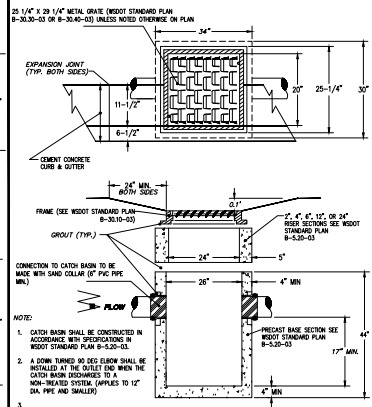


1. All environmentally and materials that in accordance with City of Centra Standards (WSDOT/AASHTO) and WSDOT/AASHTO Standard Specifications for Road, Bridge and Municipal Construction.
2. Temporary erosion/pollution measures shall be required for the duration of the project.
3. The contractor must comply with all permits and other requirements of the City of Centra.
4. A preconstruction meeting shall be held with the City of Centra prior to the start of construction.
5. All storm sewer inlets, appurtenances and relations/satellite areas shall be protected from sedimentation and debris. All storm sewer inlets shall be protected from sedimentation using all vertical control shall be submitted using the 1994 L5052 Edition of the National Stormwater Management Manual to the start of construction and shall be maintained throughout construction.
6. Storm inlet pipes shall meet the following requirements (use only those which apply):
 - a. Manufactured storm sewer pipe shall be made of AASHTO M 254.
 - b. Manufactured storm sewer pipe shall conform to AASHTO M 257.
 - c. Manufactured storm sewer pipe shall conform to ASTM F 476 or ASTM F 479.
 - d. Storm sewer pipe shall conform to AASHTO M 253.
 - e. Storm sewer pipe shall conform to AASHTO M 251.
 - f. Storm sewer pipe shall conform to AASHTO M 252.
 - g. Storm sewer pipe shall conform to AASHTO M 254.
 - h. Storm sewer pipe shall conform to AASHTO M 255.
 - i. Storm sewer pipe shall conform to AASHTO M 256.
 - j. Storm sewer pipe shall conform to AASHTO M 257.
 - k. Storm sewer pipe shall conform to AASHTO M 258.
 - l. Storm sewer pipe shall conform to AASHTO M 259.
 - m. Storm sewer pipe shall conform to AASHTO M 260.
 - n. Storm sewer pipe shall conform to AASHTO M 261.
 - o. Storm sewer pipe shall conform to AASHTO M 262.
 - p. Storm sewer pipe shall conform to AASHTO M 263.
 - q. Storm sewer pipe shall conform to AASHTO M 264.
 - r. Storm sewer pipe shall conform to AASHTO M 265.
 - s. Storm sewer pipe shall conform to AASHTO M 266.
 - t. Storm sewer pipe shall conform to AASHTO M 267.
 - u. Storm sewer pipe shall conform to AASHTO M 268.
 - v. Storm sewer pipe shall conform to AASHTO M 269.
 - w. Storm sewer pipe shall conform to AASHTO M 270.
 - x. Storm sewer pipe shall conform to AASHTO M 271.
 - y. Storm sewer pipe shall conform to AASHTO M 272.
 - z. Storm sewer pipe shall conform to AASHTO M 273.
7. Special structures, catch/buffer separators and outlet controls shall be installed per design.
8. Provide traffic control plan(s) as required in accordance with MUTCD.
9. Call the Underground Location Center at 1-800-424-5555 a minimum of 48 hours prior to construction.
10. Where connections require "Test verification", connection points will be exposed by excavating to the depth of the connection and visually inspecting connection.
11. All Storm Sewer will be hydro-cleared and tested and pressure tested in accordance with Division 7 of the WSDOT Standard Specifications for Road and Bridge Construction.
12. Testing of the Storm Sewer will include: Testing inspection of the pipe at the contractor's expense. Immediately prior to its installation underground water will be tested for oil, grease, sediment, and debris. Testing will be required if there is objection to the results of the testing. Testing will be required if there is objection to the results of the testing. Testing will be required if there is objection to the results of the testing.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA
CITY ENGINEER	04/2007	STORM DRAINAGE INSTALLATION GENERAL NOTES
2022 Standard Drawings		



APPROVED BY	REVISED DATE	CITY OF CENTRALIA
CITY ENGINEER	08/2007	CATCH BASIN TYPE 1 OUTSIDE PAVEMENT AREA
2022 Standard Drawings		



NO.	APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
	CITY ENGINEER	1/10/80	CATCH BASIN TYPE 1 IN PAVEMENT AREAS	8-01
	2022 Standard Drawings			

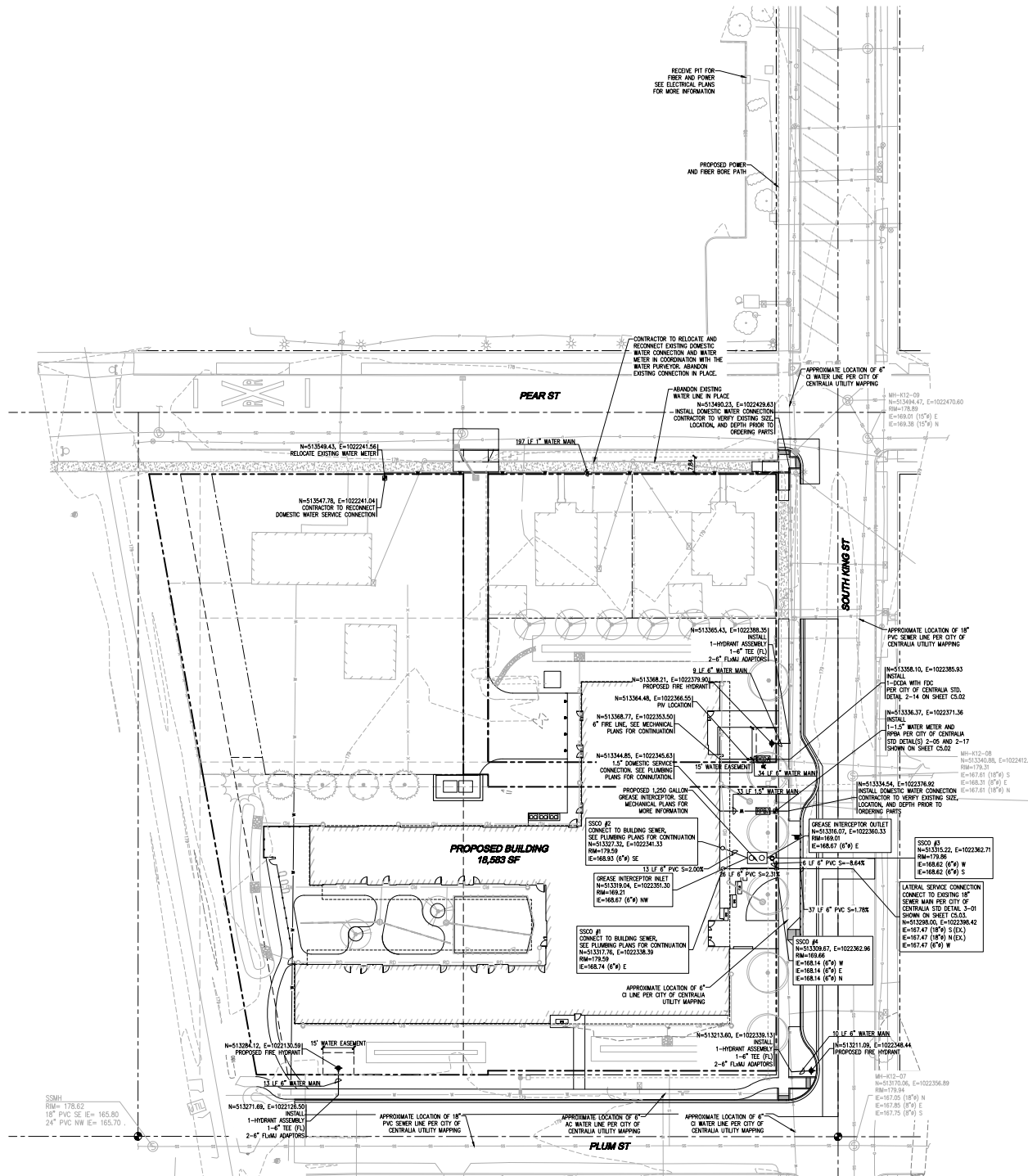
REFERENCE VOLUME V CHAPTER 5 BMP T7.30 OF THE 2019 DOE
MANUAL FOR MORE INFORMATION ON BIORETENTION INSTALLATION &
REQUIREMENTS.

- CONSTRUCTION OF BIORETENTION FACILITY:**
1. **EXCAVATION**
a. MINIMIZING CONSTRUCTION OF THE BASE AND SIDEWALLS OF THE BIORETENTION AREA IS CRITICAL. NO EXCAVATION DURING WET OR SATURATED CONDITIONS.
 2. **PROTECT EXISTING BIORETENTION SOIL MIX.** THE FINISHED SUBGRADE SHALL:
 - a. BE SCARIFIED TO A MINIMUM DEPTH OF 3 INCHES
 - b. HAVE ANY DEBRIS DEPOSITED FROM CONSTRUCTION RUNOFF REMOVED. TO REMOVE ALL INTRODUCED SEEDING, SUBGRADE SHOULD BE REMOVED TO A DEPTH OF 3-4 INCHES AND REPLACED WITH BIORETENTION SOIL MIX.
 - c. BE INSPECTED BY THE RESPONSIBLE ENGINEER TO VERIFY THE FINISHED SUBGRADE.
 3. **SOIL PLACEMENT**
 - a. BIORETENTION SUBGRADE SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 6 INCHES PER LIFT FOR THE ENTIRE AREA OF THE BIORETENTION BMP.
 - b. THE BIORETENTION SOIL MIX TO A RELATIVE COMPOSITION OF 85 PERCENT OF MODIFIED MARIANNA DRY YIELD (ASTM D 5957) AND 15 PERCENT COARSE SAND. THE SOIL MIX SHOULD BE PLACED AT A MINIMUM OF 12 INCHES, AND THEN APPLY 0.2 INCHES OF WATER PER 1 INCH OF BIORETENTION SOIL MIX.
 4. **CONSTRUCTION OF BIORETENTION BMPs SHOULD NOT BEGIN UNTIL ALL CONTRIBUTING DRAINAGE AREAS ARE STABILIZED** ACCORDING TO THE FOLLOWING CRITERIA:
 - a. NO EROSION OR EXPOSED SOIL MIX
 - b. NO EXCESSIVE SEDIMENTATION
 - c. NO EXCESSIVE WEEDING

• PERCENT FINES: A RANGE OF 2 TO 4 PERCENT PASSING THE #200

- SEIVE IS FINE AND FINES SHOULD NOT BE ABOVE 5 PERCENT FOR A PROPER FUNCTIONING SPECIFICATION ACCORDING TO ASTM D422. THE AGGREGATE PORTION OF THE ISM SHOULD BE WELL-GRADED. ACCORDING TO ASTM D 2486, THE WELL-GRADED SAND SHOULD HAVE THE FOLLOWING GRADATION COEFFICIENTS:
- ** COEFFICIENT OF UNIFORMITY EQUAL TO OR GREATER THAN 4
 - ** COEFFICIENT OF CURVE GREATER THAN OR EQUAL TO 1 AND LESS THAN OR EQUAL TO 3
- COMPOST TO AGGREGATE RATIO: 60-65 PERCENT MINERAL AGGREGATE, 35-40 PERCENT COMPOST BY VOLUME.
- ORGANIC MATTER CONTENT 5-8 PERCENT BY WEIGHT.
- CATION EXCHANGE CAPACITY (CEC) MUST BE >5 MILLIEQUIVALENTS/100 G DRY SOIL.
- IN WAC 350-100, THE DEFINITION OF "COMPOSTED MATERIAL" IN WAC 350-100 AND APPLIES WITH TESTING PARAMETERS AND OTHER STANDARDS IN WAC 172-150-220.





- LEGEND**
- EXISTING WATER LINE
 - EXISTING WATER METER
 - EXISTING GATE VALVE
 - AWWA C900 PVC DR14 WATER LINE
 - WATER METER PER CITY OF CENTRALIA STD. DETAILS 2-01 AND 2-05, SEE SHEET C6.02
 - FIRE HYDRANT PER CITY OF CENTRALIA STD. DETAIL 2-12, SEE SHEET C6.02
 - GATE VALVE
 - THRUST BLOCKING PER CITY OF CENTRALIA STD. DETAIL 2-10, SEE SHEET C6.02
 - FIRE DEPARTMENT CONNECTION PER CITY OF CENTRALIA STD. DETAIL 2-14, SEE SHEET C6.02
 - POST INDICATOR VALVE PER CITY OF CENTRALIA STD. DETAIL 2-14, SEE SHEET C6.02
 - REDUCED PRESSURE BACKFLOW ASSEMBLY PER CITY OF CENTRALIA STD. DETAIL 2-17, SEE SHEET C6.02
 - DOUBLE CHECK DETECTOR ASSEMBLY PER CITY OF CENTRALIA STD. DETAIL 2-14, SEE SHEET C6.02
 - EXISTING SEWER LINE
 - EXISTING SEWER MANHOLE
 - SANITARY SEWER CLEANDOUT PER CITY OF CENTRALIA STD. DETAIL 3-04, SEE SHEET C6.03
 - ASTM D 3034 SDR 35 PVC SANITARY SEWER PIPE
 - GREASE INTERCEPTOR, SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION
 - UTILITY EASEMENT
 - EXISTING POWER LINE
 - EXISTING OVERHEAD POWER LINE
 - EXISTING STREET LIGHT
 - EXISTING POWER POLE
 - PROPOSED STREET LIGHT
 - PROPOSED CHIMNEY LINE, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
 - PROPOSED MANHOLE, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
 - PROPOSED JUNCTION BOX, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION

- GENERAL NOTES**
- ALL EXISTING SEWER LATERALS SHALL BE ABANDONED AT THE RIGHT-OF-WAY LINE PER THE CITY OF CENTRALIA STANDARDS
 - CONTRACTOR TO COORDINATE REMOVAL OF EXISTING METERS AND INSTALLATION OF NEW WATER METERS WITH THE CITY OF CENTRALIA WATER DEPARTMENT
 - A SIDE SEWER ABANDONMENT PERMIT AND INSPECTION IS REQUIRED FOR EACH ADDRESS, CONTRACTOR TO COORDINATE WITH THE CITY OF CENTRALIA.

APPROVED BY THE CITY OF CENTRALIA
CITY ENGINEER _____ DATE _____
APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE

architect,
MCGRAWHILL ARCHITECTS
civil engineer,
LDC
landscape design,
KKLA
structural engineer,
PCS STRUCTURAL SOLUTIONS
mechanical engineer,
BCE ENGINEERS
electrical engineer,
WOOD HARRINGER

Project:
TEACHER EDUCATION & FAMILY
DEVELOPMENT CENTER
client,
CENTRALIA COLLEGE
location,
CENTRALIA, WA
state project number,
2022-786

Project No. 2232
UTILITY PLAN

Issue Date: 15 JAN 2023
DC SET: 22 MAR 2023
SPR SUBMITTAL: 22 MAR 2023
75% PERMIT SUBMITTAL: 26 MAY 2023
FINAL CD: 26 MAY 2023
CD RESUBMITTAL: 28 AUGUST 2023
CD RESUBMITTAL: 28 OCTOBER 2023
revision, 07 FEBRUARY 2024

drawn,
ES
checked,
MD
sheet,
C6.01

architect,
MCGRAWHILL ARCHITECTS
civil engineer,
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landscape design,
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structural engineer,
PCS STRUCTURAL SOLUTIONS
mechanical engineer,
RCS ENGINEERS
electrical engineer,
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Project,
TEACHER EDUCATION & FAMILY
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location,
CENTRALIA, WA
state project number,
2022-786

Project No. 2232
UTILITY NOTES AND
DETAILS

Issued,
13 JAN 2023
DO SET
22 MAR 2023
SPR SUBMITTAL
22 MAR 2023
75% PERMIT SUBMITTAL
26 MAY 2023
FINAL CD
26 JULY 2023
CD RESUBMITTAL
28 AUGUST 2023
CD RESUBMITTAL
03 OCTOBER 2023
CD RESUBMITTAL
07 FEBRUARY 2024

drawn,
ES
checked,
MD

sheet,
C6.03

SANITARY SEWER MAIN INSTALLATION GENERAL NOTES

- A pre-construction conference must be held with the City prior to start of construction.
- Underground utilities shown are for the convenience of the contractor only. It is the contractor's responsibility to use the "one-call" telephone (1-800-424-5555) 48 hours before construction is started.
- All materials and construction shall be in accordance with the current edition of the WSDOT standard specifications for roads, bridges and municipal construction and City of Centralia standards.
- Erosion control measures shall be taken during construction to prevent siltation of existing and proposed facilities.
- Pipe for sanitary sewer shall conform to Section 7-17.2 of the current edition of the WSDOT standard specifications for roads, bridges and municipal construction published jointly by WSDOT and the State Chapter of AWWA and be one of the following:
 - Single line pipe shall conform to Section 8-20.13 and AASHTO A3151 or AWWA C151 and shall be cement mortar lined. Minimum thickness shall be class 51.
 - Polyvinyl chloride (PVC) pipe shall conform with the provisions of WSDOT Section 9-05.12, 8"-18" ASTM D 3034, SDR 35 / 18"-24" ASTM F 679
- The end of laterals shall be marked with a 2x4 wooden stake four feet long (minimum) buried in the ground to a depth of three (3) feet (minimum).
- All laterals shall be laid at 2% minimum except where noted. 6" pipe to property line laterals must be provided to all appropriate properties.
- All laterals shall be connected to manholes with a manufactured eye or eye modified tap unless otherwise approved by the City Engineer. Lines 12-inch or larger and high flow lines may use tee connectors with prior approval.
- Layout and construction staking will be done by a design engineer or a licensed land surveyor. All vertical control shall be referenced using the 1988 UGDS datum.
- All new manholes shall be sixty inches (60") in diameter. Type 1 manholes unless otherwise specified by the City.
- Leaf pressure air test is required on all new sanitary sewer lines (including laterals). Testing shall be per AWWA specifications and witnessed by the City.
- A vacuum test is required on all new manholes and other manholes.
- Schedule all tests with the City and allow two (2) working days advance notice.
- A copy of the TV, inspection video of the sewer main shall be provided to the City along with the inspection report prior to final acceptance.
- As-built drawings shall be submitted to the City prior to final acceptance.
- All necessary easements must be recorded before final acceptance.
- The contractor is to notify the City two (2) working days prior to the start of construction. All materials must be submitted and approved prior to use.
- A manhole and clean-out assembly detail shall be submitted prior to construction for the City's approval.
- On all main extensions, a lateral shall be installed from the main to the right-of-way for all existing residences and for all possible future building lots along the main extension. The actual location shall be approved by the City of Centralia and adjacent property owners prior to construction.

SIDE SEWER REGULATIONS (Ord 2009) GENERAL NOTES

- Any work including installation, replacement and repair, on the sanitary side sewer requires an inspection permit. This must be obtained - in advance of the work - from the City Engineer building at 1100 N. Tower Ave.
- Inspection permit fees:

• Single-family dwelling	\$ 50.00
• Multi-family dwelling	75.00
• Commercial/Industrial	100.00
• Alteration, repair and abandonment of existing lateral	50.00
• V.I.B. / Rehabilitation	100.00
• After hours or holiday inspection	150.00
• Re-inspection	50.00
• Other pump connection permit	100.00
• Critical pump connection or industrial connection	150.00
- For inspection, call the Public Works Office at (360) 330-7512. Inspections will be made 8:00 A.M. - Noon and 1:00 P.M. - 3:00 P.M.
- "Side Sewer" means that part of the horizontal piping of a drainage system which extends from the end of the building drain and which maintains the discharge of the building drain and connects it to a public sewer, private sewer, industrial sewage disposal system or other public or private sewer.
- All costs and expenses incident to the installation and connection, operation and maintenance and replacement of the side sewer shall be borne by the owner.
- Pipes acceptable for side sewers: polyvinyl chloride (PVC) ASTM D 3034, SDR 35, cast iron and 100% bonded steel. 8"-18" PVC, SDR 35, and 18"-24" AWWA C 151, thickness class 51. Not acceptable for side sewers: duct iron, cast iron, galvanized steel, steel pipe, galvanized pipe, galvanized pipe.
- Side sewer for single family dwelling shall be no less than 4" diameter from dwelling to property line and 6" from property line to public sewer. All multiple family, commercial and industrial side sewer lines shall be no less than 6" diameter between main and building. Each building must have a separate side sewer.
- No 90 degree bends allowed.
- A cleanout is required within 30" of all buildings and at intervals of not more than 100 feet. Cleanouts shall be extended to within 18" of surface and capped except where surface is paved: in paved areas, cleanouts shall be extended flush with surface and plugged with an acceptable threaded metal plug. Laterals shall be straight lines between cleanouts.
- Backwater valves----- The Uniform Plumbing Code requires backwater valves on building sewers where the finished floor is below the rim of the upstream manhole. Backwater valves, if they are installed, must be located within the building footprint upstream of the cleanout. The city is not responsible for their installation, maintenance, or operation.
- Lines shall be laid on uniform slope not less than 1/4" per foot for 4" pipe and 1/8" per foot for 6" pipe. Pipe shall be installed in and covered with suitable fire materials. Alignment of both vertical and horizontal shall be straight and true.
- Minimum cover for side sewers shall be 18" on private property.
- Side sewer shall be water or air tested for their entire length. Inspection of the test must be witnessed by a Public Works employee before backfilling. (See paragraph 15.10.245, Subsection 2002, for details.)
- Contractor shall provide 24 hours notice when requesting inspection.

Any questions regarding the above regulations may be directed to the Public Works Office (360) 330-7512

APPROVED BY	REVISION	CITY OF CENTRALIA			
CITY ENGINEER	09-2023	SEWER MAIN INSTALLATION GENERAL NOTES	1 OF 8		

2022 Standard Drawings

APPROVED BY	REVISION	CITY OF CENTRALIA			
CITY ENGINEER	09-2023	SEWER MAIN INSTALLATION GENERAL NOTES	2 OF 8		

2022 Standard Drawings

APPROVED BY	REVISION	CITY OF CENTRALIA			
CITY ENGINEER	09-2023	CLEANOUT	3-04		

2022 Standard Drawings

APPROVED BY	REVISION	CITY OF CENTRALIA			
CITY ENGINEER	09-2023	SANITARY SEWER LATERAL SERVICE CONNECTION			

2022 Standard Drawings